



# PRODUCT PRICE LIST 2019/2020

## From GENE to PROTEIN

### MOLECULAR BIOLOGY

DNA Size Ladder Markers  
PCR Enzymes & PCR Premix  
Real-Time qPCR Mix & Reagents  
Modification Enzymes  
Restriction Enzymes  
Gene Cloning Kits

### PROTEIN BIOCHEMISTRY

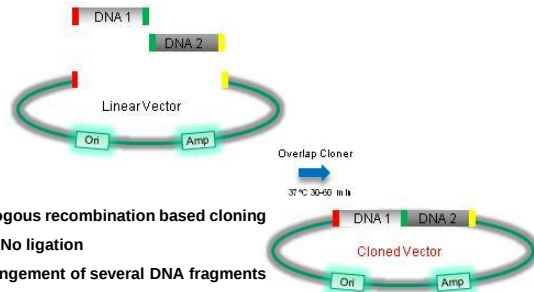
Protein Size Markers  
Protein Electrophoresis Kits & Reagents  
Protein Gel Stains  
Premade Buffers  
Western Detection Kits  
Protein Research Enzymes

### CUSTOM SERVICES

Recombinant Antibody Screening Service  
Recombinant Antibody Expression Service



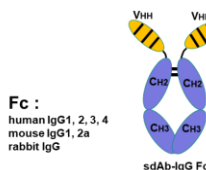
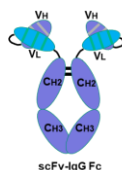
### Overlap Cloner™ DNA Cloning Kit



- In vitro homologous recombination based cloning
- No restriction, No ligation
- Single pot arrangement of several DNA fragments



### ReCOMbody™ Antibody Screening Service



Fc :  
human IgG1, 2, 3, 4  
mouse IgG1, 2a  
rabbit IgG



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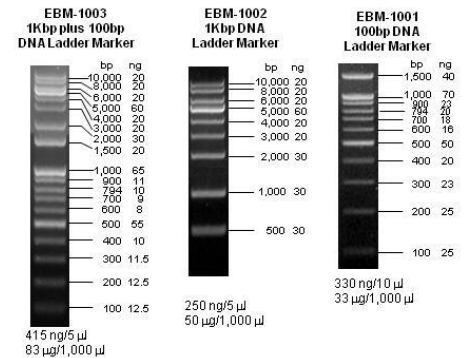
Tel : +82-42-581-8448; Fax : +82-42-581-8449

🏠: www.elpisbio.com, e-mail : recomboddy@naver.com

| Products                           | Qty (application)       | Cat. No.  | Price (W) |
|------------------------------------|-------------------------|-----------|-----------|
| PCR Marker 0.1-1Kbp                | 500 µl (ready-to-use)   | EBM-1005  | 60,000    |
|                                    | 250 µl (concentrated)   | EBM-1005C | 60,000    |
| PCR Marker 0.1-3Kbp                | 500 µl (ready-to-use)   | EBM-1006  | 70,000    |
|                                    | 250 µl (concentrated)   | EBM-1006C | 70,000    |
| PCR Marker plus 50bp               | 500 µl (ready-to-use)   | EBM-1007  | 90,000    |
|                                    | 250 µl (concentrated)   | EBM-1007C | 90,000    |
| 50bp DNA Ladder Marker             | 500 µl (ready-to-use)   | EBM-1004  | 100,000   |
|                                    | 250 µl (concentrated)   | EBM-1004C | 100,000   |
| 100bp DNA Mass Ladder Marker       | 500 µl (ready-to-use)   | EBM-1010  | 70,000    |
| 100bp DNA Ladder Marker            | 1,000 µl (ready-to-use) | EBM-1001  | 40,000    |
|                                    | 250 µl (concentrated)   | EBM-1001C | 50,000    |
| 1Kbp DNA Ladder Marker             | 1,000 µl (ready-to-use) | EBM-1002  | 40,000    |
|                                    | 500 µl (concentrated)   | EBM-1002C | 50,000    |
| 1Kbp DNA Mass Ladder Marker        | 500 µl (ready-to-use)   | EBM-1009  | 70,000    |
| 1Kbp DNA Ladder Marker (Supercoil) | 500 µl (ready-to-use)   | EBM-1011  | 70,000    |
| 1Kbp plus 100bp DNA Ladder Marker  | 1,000 µl (ready-to-use) | EBM-1003  | 70,000    |
|                                    | 500 µl (concentrated)   | EBM-1003C | 80,000    |
| 500bp Step Ladder Marker           | 500 µl (ready-to-use)   | EBM-1101  | 80,000    |
| 200bp Step Ladder Marker           | 500 µl (ready-to-use)   | EBM-1102  | 100,000   |
| 100bp Step Ladder Marker           | 500 µl (ready-to-use)   | EBM-1103  | 120,000   |
| 50bp Step Ladder Marker            | 500 µl (ready-to-use)   | EBM-1104  | 140,000   |

| Products                     | Qty (application)                 | Cat. No. | Price (W) |
|------------------------------|-----------------------------------|----------|-----------|
| rTaq DNA Polymerase          | 500 unit (5 unit/μl)              | EBT-1013 | 80,000    |
|                              | 500 unit (5 unit/μl , 1 ml dNTPs) | EBT-1014 | 110,000   |
| rTaq Plus DNA Polymerase     | 250 unit (5 unit/μl)              | EBT-1317 | 60,000    |
|                              | 500 unit (5 unit/μl)              | EBT-1318 | 120,000   |
| rTaq Plus HOT DNA Polymerase | 250 unit (5 unit/μl)              | EBT-1611 | 80,000    |
|                              | 500 unit (5 unit/μl)              | EBT-1612 | 140,000   |
| HiPi DNA Polymerase          | 500 unit (5 unit/μl)              | EBT-1002 | 100,000   |
|                              | 500 unit (5 unit/μl, 1 ml dNTPs)  | EBT-1005 | 130,000   |
| HiPi Plus DNA Polymerase     | 500 unit (5 unit/μl)              | EBT-1007 | 120,000   |
|                              | 500 unit (5 unit/μl, 1 ml dNTPs)  | EBT-1010 | 150,000   |
| HiPi Eco DNA Polymerase      | 2,500 unit (5 unit/μl)            | EBT-1303 | 200,000   |
|                              | 10,000 unit (5 unit/μl)           | EBT-1304 | 600,000   |
| HiPi Super DNA Polymerase    | 250 unit (5 unit/μl)              | EBT-1301 | 150,000   |
|                              | 500 unit (5 unit/μl)              | EBT-1302 | 260,000   |
| Pfu DNA Polymerase           | 500 unit (5 unit/μl)              | EBT-1011 | 120,000   |
|                              | 500 unit (5 unit/μl, 1 ml dNTPs)  | EBT-1012 | 150,000   |
| Pfu Plus DNA Polymerase      | 250 unit (5 unit/μl)              | EBT-1401 | 120,000   |
|                              | 500 unit (5 unit/μl)              | EBT-1402 | 200,000   |
| Pfu Super DNA Polymerase     | 250 unit (5 unit/μl)              | EBT-1421 | 160,000   |
|                              | 500 unit (5 unit/μl)              | EBT-1422 | 280,000   |
| PyroMax DNA Polymerase       | 250 unit (5 unit/μl)              | EBT-1313 | 120,000   |
|                              | 500 unit (5 unit/μl)              | EBT-1314 | 200,000   |
| Pho DNA Polymerase           | 250 unit (5 unit/μl)              | EBT-1305 | 120,000   |
|                              | 500 unit (5 unit/μl)              | EBT-1306 | 200,000   |
| Bst DNA Polymerase, exo-     | 3,000 unit (60 unit/μl)           | EBT-1701 | 80,000    |
|                              | 15,000 unit (60 unit/μl)          | EBT-1702 | 320,000   |
| Tth DNA Polymerase           | 500 unit (5 unit/μl)              | EBT-1016 | 120,000   |
|                              | 500 unit (5 unit/μl, 1 ml dNTPs)  | EBT-1017 | 150,000   |

| Products                        | Qty (application)          | Cat. No. | Price (W) |
|---------------------------------|----------------------------|----------|-----------|
| rTaq Plus 2x PCR Master Mix     | 1 ml (100 reactions/20 µl) | EBT-1320 | 30,000    |
|                                 | 5 x 1 ml                   |          | 120,000   |
| rTaq Plus 5x PCR Master Mix     | 1 ml (250 reactions/20 µl) | EBT-1319 | 60,000    |
|                                 | 5 x 1 ml                   |          | 240,000   |
| rTaq Plus HOT 2x PCR Master Mix | 1 ml (100 reactions/20 µl) | EBT-1613 | 35,000    |
|                                 | 5 x 1 ml                   |          | 140,000   |



- 
- genome                      + genome  
 1   2   3                      1   2   3
- 95°C 20 sec  
 60°C 20 sec  
 72°C 30 sec                      x 40 cycles
1. ompA : 1041 bp  
 2. Enolase : 1314 bp  
 3. DMA : 837 bp

- 
- TP53 p53 RacG23102
- 1 2 3 1 2 3 1 2 3
1. rTaq Plus HOT  
2. rTaq Plus  
3. control

- 

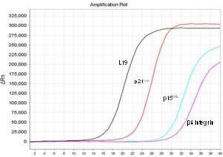
- 상상불허의 반응속도 : rTaq Plus, 5초/kbp extension



## PCR 효소 선택 요령

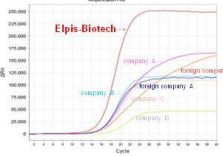
- 높은 정확도의 cloning을 할 때 : Pfu Plus
- 무조건 증폭 효율이 높아야 할 때 : HiPi Plus
- 빠른 PCR이 필요할 때 : rTaq Plus

내 마음대로 반응 조건을 조절하고 싶을 때 : **enzyme type**  
반응용액 만드는 시간이 아까울 때 : **master mix, premix**

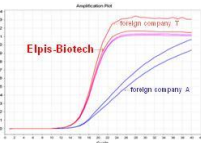
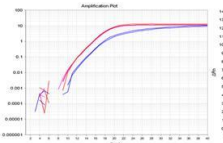


## Real-Time PCR 2x Master Mix

- 업계 최고의 민감도
- 저렴한 가격
- 정량분석에 필수적인  
항상 일정한 결과



## 50x ROX Reference Dye



## M-MLV Reverse Transcriptases

- 3 종류의 고순도 역전사 효소
- Enzyme type과 **master mix type**의 제품구성
- RT 반응에 최적화된 **buffer** 구성
- 다수 기업에 **OEM** 납품 제품

|                                 |                            |          |         |
|---------------------------------|----------------------------|----------|---------|
| rTaq Plus HOT 5x PCR Master Mix | 1 ml (250 reactions/20 µl) | EBT-1614 | 80,000  |
|                                 | 5 x 1 ml                   |          | 320,000 |
| Pfu Plus 5x PCR Master Mix      | 1 ml (250 reactions/20 µl) | EBT-1403 | 120,000 |
|                                 | 5 x 1 ml                   |          | 480,000 |
| Pfu Super 5x PCR Master Mix     | 1 ml (250 reactions/20 µl) | EBT-1423 | 160,000 |
|                                 | 5 x 1 ml                   |          | 640,000 |
| HiPi Plus 5x PCR Master Mix     | 1 ml (250 reactions/20 µl) | EBT-1201 | 80,000  |
|                                 | 5 x 1 ml                   |          | 320,000 |
| HiPi Super 5x PCR Master Mix    | 1 ml (250 reactions/20 µl) | EBT-1604 | 120,000 |
|                                 | 5 x 1 ml                   |          | 480,000 |

## PCR Premix

| Products                                           | Qty (application) | Cat. No. | Price (W) |
|----------------------------------------------------|-------------------|----------|-----------|
| <b>HiPi Plus 5x PCR Premix, 96 Tubes or Strips</b> |                   |          |           |
| 96 Tubes (20 µl reaction)                          | 1 pack (96)       | EBT-1211 | 80,000    |
|                                                    | 5 packs (480)     |          | 320,000   |
| 12x8 Strip tubes (20 µl reaction)                  | 1 pack (96)       | EBT-1212 | 80,000    |
|                                                    | 5 packs (480)     |          | 320,000   |
| 96 Tubes (40 µl reaction)                          | 1 pack (96)       | EBT-1213 | 140,000   |
|                                                    | 5 packs (480)     |          | 560,000   |
| 12x8 Strip tubes (40 µl reaction)                  | 1 pack (96)       | EBT-1214 | 140,000   |
|                                                    | 5 packs (480)     |          | 560,000   |
| rTaq Plus 5x PCR Premix                            | 1 pack (96)       | EBT-1321 | 80,000    |
| 12x8 Strip tubes (20 µl reaction)                  | 5 packs (480)     |          | 320,000   |
| rTaq Plus HOT 5x PCR Premix                        | 1 pack (96)       | EBT-1614 | 100,000   |
| 12x8 Strip tubes (20 µl reaction)                  | 5 packs (480)     |          | 400,000   |
| Pfu Plus 5x PCR Premix                             | 1 pack (96)       | EBT-1405 | 140,000   |
| 12x8 Strip tubes (20 µl reaction)                  | 5 packs (480)     |          | 560,000   |
| Pfu Super 5x PCR Premix                            | 1 pack (96)       | EBT-1425 | 180,000   |
| 12x8 Strip tubes (20 µl reaction)                  | 5 packs (480)     |          | 720,000   |
| HiPi Super 5x PCR Premix                           | 1 pack (96)       | EBT-1607 | 140,000   |
| 12x8 Strip tubes (20 µl reaction)                  | 5 packs (480)     |          | 560,000   |

## Real-Time qPCR Master Mix

| Products                      | Qty (application)          | Cat. No. | Price (W) |
|-------------------------------|----------------------------|----------|-----------|
| Real-Time PCR 2x Master Mix   | 1 ml (100 reactions/20 µl) | EBT-1801 | 60,000    |
| (SYBR green)                  | 5 x 1 ml                   |          | 240,000   |
| Real-Time PCR 2x Master Mix   | 1 ml (100 reactions/20 µl) | EBT-1802 | 60,000    |
| (SYBR green, contain ROX dye) | 5 x 1 ml                   |          | 240,000   |
| 50x ROX Reference Dye         | 1 ml                       | EBT-1821 | 60,000    |

## Reverse Transcriptase & Premix Kit

| Products                           | Qty (application)         | Cat. No. | Price (W) |
|------------------------------------|---------------------------|----------|-----------|
| M-MLV Reverse Transcriptase        | 10,000 unit (200 unit/µl) | EBT-1027 | 80,000    |
| (RNase H*)                         | 50,000 unit (200 unit/µl) | EBT-1028 | 240,000   |
| M-MLV Reverse Transcriptase        | 10,000 unit (200 unit/µl) | EBT-1501 | 100,000   |
| (RNase H-)                         | 50,000 unit (200 unit/µl) | EBT-1502 | 300,000   |
| Reverse Transcription              | 0.5 ml (random hexamer)   | EBT-1511 | 100,000   |
| Master Premix                      | 0.5 ml (oligo dT)         | EBT-1512 | 100,000   |
| (5x, MMLV-RT, RNase H+)            | 0.5 ml (no primer)        | EBT-1513 | 100,000   |
| Reverse Transcription              | 96 tubes (random hexamer) | EBT-1514 | 120,000   |
| Premix                             | 96 tubes (oligo dT)       | EBT-1515 | 120,000   |
| (5x, pre-aliquoted 20 ul reaction) | 96 tubes (no primer)      | EBT-1516 | 120,000   |
| RT Prime Kit                       | 1 kit (50 RT)             | EBT-1520 | 140,000   |
| HiPi RT-PCR Kit                    | 1 kit (50 RT, 500 PCR)    | EBT-1103 | 280,000   |
| Random Hexamer                     | 50 µl (100 pmol/µl)       | EBT-1522 | 40,000    |
| Oligo d(T) <sub>15</sub>           | 50 µl (100 pmol/µl)       | EBT-1523 | 40,000    |

## One-Step RT-PCR Premix

| Products                                 | Qty (application)              | Cat. No. | Price (W) |
|------------------------------------------|--------------------------------|----------|-----------|
| HiPi One-step 5x RT-PCR Master Premix    | 250 unit (5x Ready-to-use mix) | EBT-1101 | 200,000   |
| HiPi One-step 5x RT-PCR Premix, 96 Tubes | 96 Tubes (20 µl reaction)      | EBT-1221 | 200,000   |



고객상담전화  
**042-581-8448**

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생명공학 기업입니다

PCR Buffers & Additives

| Products                      | Qty (application) | Cat. No. | Price (W) |
|-------------------------------|-------------------|----------|-----------|
| 10x rTaq Reaction Buffer      | 5 x 1 ml (10x)    |          | 50,000    |
| 10x rTaq Plus Reaction Buffer | 5 x 1 ml (10x)    |          | 50,000    |
| 10x HiPi Reaction Buffer      | 5 x 1 ml (10x)    |          | 50,000    |
| 10x HiPi Plus Reaction Buffer | 5 x 1 ml (10x)    |          | 50,000    |
| 10x Pfu Reaction Buffer       | 5 x 1 ml (10x)    |          | 50,000    |
| 10x Q Buffer                  | 5 x 1 ml (10x)    |          | 50,000    |
| Tth ssDNA Binding Protein     | 200 µg (2 µg/µl)  | EBT-3037 | 80,000    |
| T4 Gene 32 Protein            | 500 µg (5 µg/µl)  | EBT-3038 | 150,000   |
| Thermostable Pyrophosphatase  | 50 µg (0.5 µg/µl) | EBT-3039 | 100,000   |
| Thermostable dUTPase          | 50 µg (0.5 µg/µl) | EBT-3041 | 150,000   |

dNTP Set

| Products               | Qty (application) | Cat. No. | Price (W) |
|------------------------|-------------------|----------|-----------|
| dATP                   | 10 mM, 1 ml       | EBN-1001 | 40,000    |
| dGTP                   | 10 mM, 1 ml       | EBN-1002 | 40,000    |
| dCTP                   | 10 mM, 1 ml       | EBN-1003 | 40,000    |
| dTTP                   | 10 mM, 1 ml       | EBN-1004 | 40,000    |
| dNTP set               | 10 mM, 4 x 1 ml   | EBN-1005 | 120,000   |
| dNTP Mix (2.5 mM each) | 10 mM, 1 ml       | EBN-1006 | 40,000    |

Site-Specific Mutagenesis Kit

| Products                      | Qty (application)    | Cat. No. | Price (W) |
|-------------------------------|----------------------|----------|-----------|
| Site-Specific Mutagenesis Kit | 50 reactions         | EBT-5001 | 240,000   |
| Pfu Plus DNA Polymerase       | 250 unit (5 unit/µl) | EBT-1401 | 120,000   |
| Dpn I                         | 500 unit             | EBR-1045 | 70,000    |

PCR Cloning Vector

| Products                 | Qty (application) | Cat. No. | Price (W) |
|--------------------------|-------------------|----------|-----------|
| pLPS-B Blunt Topo Vector | 25 reactions      | EBK-1001 | 200,000   |
|                          | 250 reactions     | EBK-1002 | 1,500,000 |
| pLPS-T TA Topo Vector    | 25 reactions      | EBK-1005 | 200,000   |
|                          | 250 reactions     | EBK-1006 | 1,500,000 |

Ligation Independent DNA Cloning Kit

| Products                       | Qty (application) | Cat. No. | Price (W) |
|--------------------------------|-------------------|----------|-----------|
| Overlap Cloner DNA Cloning Kit | 25 reactions      | EBK-1011 | 200,000   |
|                                | 100 reactions     | EBK-1012 | 600,000   |

DNA Ligation Kits

| Products                           | Qty (application)    | Cat. No. | Price (W) |
|------------------------------------|----------------------|----------|-----------|
| Rapid Ligation 2x Master Mix       | 50 reactions         | EBT-2001 | 80,000    |
| Rapid Ligation 2x Premix, 96 tubes | 96 reactions         | EBT-2002 | 160,000   |
| T4 DNA Ligase                      | 200 unit (2 unit/µl) | EBT-1025 | 80,000    |

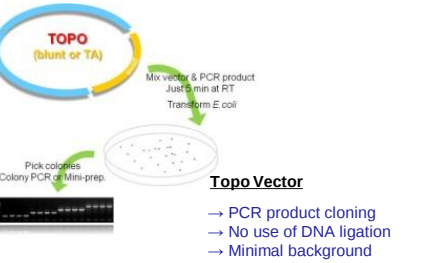
Nucleic Acid Purification Kits

| Products                              | Qty (application) | Cat. No.   | Price (W) |
|---------------------------------------|-------------------|------------|-----------|
| Plasmid Mini-prep Kit (spin-type)     | 200 prep          | EBD-1001-S | 160,000   |
| PCR Purification Kit (spin-type)      | 200 prep          | EBD-1004   | 180,000   |
| Gel Extraction Kit (spin-type)        | 200 prep          | EBD-1005   | 180,000   |
| Gel Extraction Kit (bead-type)        | 200 prep          | EBD-1006   | 170,000   |
| Genomic DNA Kit (bacteria, spin-type) | 200 prep          | EBD-1007   | 240,000   |
| Genomic DNA Kit (blood, spin-type)    | 200 prep          | EBD-1008   | 240,000   |
| Spin column (mini)                    | 200 ea            | EBD-1021   | 80,000    |
| Glass milk (Silica 50% slurry)        | 10 ml             | EBD-1025   | 200,000   |



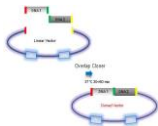
PCR Buffers & Additives

- PCR enhancement
- Increase PCR specificity
- Increase PCR yield

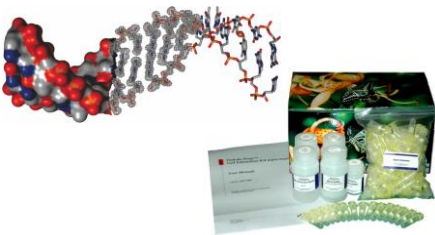
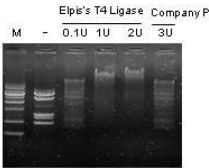


Overlap Cloner DNA Cloning Kit

- In vitro homologous recombination
- 15bp 이상의 동일 서열만 있으면 OK
- 여러 DNA 조각을 동시에 cloning
- 높은 cloning 효율
- 간단하며 안정적인 반응



- 엘피스바이오텍의 T4 DNA ligase는 100% 정확한 활성 unit으로 포장되어 있습니다
- 0.01 unit은 1 mg의 DNA 말단을 붙이는 활성단위입니다.



## Restriction Enzymes

| Products | Qty (application) | Cat. No. | Price (W) |
|----------|-------------------|----------|-----------|
| Aat II   | 250 unit          | EBR-1001 | 80,000    |
| Acc I    | 250 unit          | EBR-1003 | 80,000    |
| Acc III  | 250 unit          | EBR-1005 | 80,000    |
| Alu I    | 500 unit          | EBR-1011 | 80,000    |
| Apa I    | 2,500 unit        | EBR-1013 | 60,000    |
| ApaL I   | 1,000 unit        | EBR-1015 | 70,000    |
| Apo I    | 500 unit          | EBR-1203 | 80,000    |
| Ase I    | 2,500 unit        | EBR-1017 | 80,000    |
| Ava I    | 2,500 unit        | EBR-1019 | 80,000    |
| Ava II   | 1,000 unit        | EBR-1021 | 80,000    |
| Ava III  | 1,000 unit        | EBR-1023 | 80,000    |
| BamH I   | 10,000 unit       | EBR-1025 | 50,000    |
| Ban I    | 2,500 unit        | EBR-1027 | 70,000    |
| Bcl I    | 1,000 unit        | EBR-1033 | 60,000    |
| Bgl I    | 1,000 unit        | EBR-1035 | 60,000    |
| Bgl II   | 2,500 unit        | EBR-1037 | 60,000    |
| Dde I    | 250 unit          | EBR-1043 | 70,000    |
| Dpn I    | 500 unit          | EBR-1045 | 70,000    |
| Dpn II   | 1,000 unit        | EBR-1047 | 70,000    |
| Dra I    | 1,000 unit        | EBR-1049 | 70,000    |
| Dra III  | 2,500 unit        | EBR-1051 | 70,000    |
| Eag I    | 500 unit          | EBR-1053 | 70,000    |
| EcoR I   | 10,000 unit       | EBR-1055 | 50,000    |
| EcoR V   | 5,000 unit        | EBR-1057 | 70,000    |
| Fok I    | 1,000 unit        | EBR-1059 | 80,000    |
| Hae II   | 1,000 unit        | EBR-1063 | 70,000    |
| Hae III  | 2,500 unit        | EBR-1065 | 70,000    |
| Hae IV   | 500 unit          | EBR-1067 | 80,000    |
| Hinc II  | 1,000 unit        | EBR-1071 | 70,000    |
| Hind III | 10,000 unit       | EBR-1073 | 60,000    |
| Hinf I   | 2,500 unit        | EBR-1075 | 70,000    |
| Hpa I    | 500 unit          | EBR-1077 | 70,000    |
| Hpa II   | 1,000 unit        | EBR-1079 | 70,000    |
| Kpn I    | 5,000 unit        | EBR-1083 | 70,000    |
| Mbo I    | 500 unit          | EBR-1085 | 80,000    |
| Mbo II   | 250 unit          | EBR-1087 | 80,000    |
| Mlu I    | 1,000 unit        | EBR-1089 | 80,000    |
| Mwo I    | 250 unit          | EBR-1091 | 80,000    |
| Nae I    | 500 unit          | EBR-1093 | 80,000    |
| Nco I    | 1,000 unit        | EBR-1097 | 60,000    |
| Nde I    | 5,000 unit        | EBR-1099 | 70,000    |
| Not I    | 500 unit          | EBR-1103 | 70,000    |
| Pho I    | 500 unit          | EBR-1107 | 80,000    |
| Pst I    | 10,000 unit       | EBR-1109 | 60,000    |
| Pvu II   | 2,500 unit        | EBR-1113 | 70,000    |
| Sac I    | 2,500 unit        | EBR-1115 | 70,000    |
| Sal I    | 2,500 unit        | EBR-1119 | 70,000    |
| Sca I    | 1,000 unit        | EBR-1123 | 70,000    |
| Sfi I    | 2,500 unit        | EBR-1125 | 80,000    |
| Sma I    | 2,500 unit        | EBR-1127 | 70,000    |
| Spe I    | 500 unit          | EBR-1131 | 70,000    |
| Ssp I    | 500 unit          | EBR-1135 | 70,000    |
| TthHB8 I | 2,500 unit        | EBR-1145 | 70,000    |
| Xba I    | 5,000 unit        | EBR-1147 | 70,000    |
| Xho I    | 5,000 unit        | EBR-1149 | 60,000    |
| Xma I    | 250 unit          | EBR-1153 | 70,000    |

## Methylase Enzymes

| Products           | Qty (application) | Cat. No. | Price (W) |
|--------------------|-------------------|----------|-----------|
| T4 dam Methylase   | 1,000 unit        | EBR-3002 | 80,000    |
| BamH I Methylase   | 200 unit          | EBR-3004 | 80,000    |
| EcoR I Methylase   | 2,000 unit        | EBR-3005 | 80,000    |
| Hae III Methylase  | 1,000 unit        | EBR-3006 | 80,000    |
| Hind III Methylase | 200 unit          | EBR-3007 | 80,000    |
| Hpa II Methylase   | 1,000 unit        | EBR-3008 | 80,000    |



고객상담전화  
042-581-8448

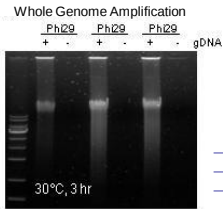
(주)엘피스바이오텍은 단백질 전문  
생명공학 기업입니다

Modification Enzymes

| Products                       | Qty (application)         | Cat. No. | Price (W) |
|--------------------------------|---------------------------|----------|-----------|
| rDNase I (recombinant)         | 30,000 unit (100 unit/μl) | EBT-3057 | 80,000    |
| rRNase A (recombinant bovine)  | 500 μg (1 μg/μl)          | EBT-3059 | 100,000   |
| Phi29 DNA Polymerase           | 500 unit (10 unit/μl)     | EBT-3004 | 150,000   |
| Bsu DNA Polymerase             | 250 unit (5 unit/μl)      | EBT-3005 | 120,000   |
| T4 DNA Polymerase              | 200 unit (5 unit/μl)      | EBT-1023 | 120,000   |
| DNA Polymerase I (E.coli)      | 500 unit (5 unit/μl)      | EBT-1022 | 80,000    |
| Klenow Fragment                | 200 unit (5 unit/μl)      | EBT-1021 | 60,000    |
| Klenow (- exo) Fragment        | 200 unit (5 unit/μl)      | EBT-3000 | 80,000    |
| T7 RNA Polymerase              | 10,000 unit (100 unit/μl) | EBT-3001 | 100,000   |
| Poly(A) Polymerase             | 50 unit (1 unit/μl)       | EBT-3002 | 80,000    |
| T4 DNA Ligase                  | 200 unit (2 unit/μl)      | EBT-1025 | 80,000    |
| Thermostable DNA Ligase        | 100 unit (2 unit/μl)      | EBT-1026 | 120,000   |
| Lambda Exonuclease             | 1,000 unit (5 unit/μl)    | EBT-3020 | 60,000    |
| T4 Polynucleotide Kinase       | 500 unit (10 unit/μl)     | EBT-3031 | 60,000    |
| Bacterial Alkaline Phosphatase | 100 unit (0.5 unit/μl)    | EBT-3032 | 60,000    |
| Cre Recombinase                | 200 unit (1 unit/μl)      | EBT-3040 | 150,000   |
| Lambda Integrase               | 100 reactions             | EBT-3042 | 80,000    |
| Lambda Integrase/Exisionase    | 100 reactions             | EBT-3043 | 80,000    |
| RNase I (E.coli)               | 10,000 unit (100 unit/μl) | EBT-3021 | 80,000    |
| RNase III (E.coli)             | 200 unit (1 unit/μl)      | EBT-3022 | 100,000   |
| Exonuclease III (E.coli)       | 10,000 unit (100 unit/μl) | EBT-3025 | 80,000    |
| DNA Exo53                      | 500 unit (10 unit/μl)     | EBT-3047 | 150,000   |
| DNA Topoisomerase I, Vaccinia  | 500 unit (10 unit/μl)     | EBT-3044 | 150,000   |
| Topoisomerase I (E.coli)       | 500 unit (5 unit/μl)      | EBT-3033 | 150,000   |
| ssDNA Binding Protein (E.coli) | 200 μg (2 μg/μl)          | EBT-3036 | 80,000    |
| Tth ssDNA Binding Protein      | 200 μg (2 μg/μl)          | EBT-3037 | 80,000    |
| T7 ssDNA Binding Protein       | 100 μg (1 μg/μl)          | EBT-3045 | 150,000   |
| T4 Gene 32 Protein             | 500 μg (5 μg/μl)          | EBT-3038 | 150,000   |
| T4 dsDNA Binding Protein       | 100 μg (1 μg/μl)          | EBT-3046 | 150,000   |
| eRecA Protein (E.coli)         | 200 μg (5 μg/μl)          | EBT-3034 | 80,000    |
| tRecA Protein                  | 200 μg (5 μg/μl)          | EBT-3035 | 80,000    |
| Thermostable Pyrophosphatase   | 50 μg (0.5 μg/μl)         | EBT-3039 | 100,000   |
| Thermostable dUTPase           | 50 μg (0.5 μg/μl)         | EBT-3041 | 150,000   |
| RecJ (E.coli)                  | 2,000 unit (10 unit/μl)   | EBT-3023 | 100,000   |
| RecBCD (E.coli)                | 2,000 unit (10 unit/μl)   | EBT-3024 | 100,000   |
| Micrococcal Dual Nuclease      | 500 Kunit (1 Kunit/μl)    | EBT-3026 | 120,000   |
| T4 Endonuclease V              | 2,000 unit (10 unit/μl)   | EBT-3029 | 100,000   |
| Endonuclease V (E.coli)        | 500 unit (10 unit/μl)     | EBT-3030 | 100,000   |
| Endonuclease IV (E.coli)       | 1,000 unit (10 unit/μl)   | EBT-3061 | 100,000   |
| Endonuclease VIII (E.coli)     | 1,000 unit (10 unit/μl)   | EBT-3062 | 100,000   |
| DNA Gyrase (AB)                | 100 unit (5 unit/μl)      | EBT-3063 | 100,000   |
| Uracil-DNA Glycosylase (UDG)   | 1,000 unit (2 unit/μl)    | EBT-3071 | 150,000   |

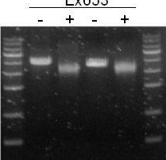


Phi29 DNA Polymerase

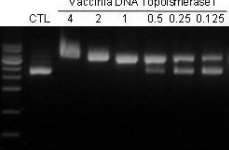


- Highly purified recombinant
- No genome contamination
- for Isothermal amplification

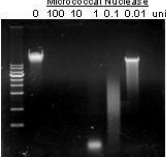
DNA Exo53



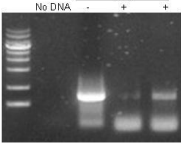
DNA Topoisomerase I, Vaccinia



Micrococcal Dual Nuclease



Uracil-DNA Glycosylase (UDG)



재조합 항체 스크리닝 서비스

| 서비스 내용                      | 항체 스크리닝 베이직 서비스                         | 항체 스크리닝 풀 서비스               | 공동연구 방식의 항체 스크리닝 서비스                                                     |
|-----------------------------|-----------------------------------------|-----------------------------|--------------------------------------------------------------------------|
| 항체의 종류                      | scFv 또는 sdAb                            | scFv 또는 sdAb                | scFv, sdAb, Peptide Aptamer                                              |
| 항원의 종류                      | Purified Protein                        | Purified Protein            | Purified Protein, Whole Cell/Bacteria/Virus, Synthetic Peptide, Chemical |
| 서비스 기간                      | 15-25 일                                 | 3 - 12 개월                   | 완료시까지                                                                    |
| 제공 결과물                      | 기본 1개 클론 항체 단백질 (1 mg)                  | 5개 클론 이상의 항체들과 해당 유전자 서열 제공 | 제한 없음                                                                    |
| 기본 비용                       | 2,000,000 원 (VAT 별도)                    | 협의 사항                       | 없음                                                                       |
| 추가 옵션 (Western blotting 가능) | 800,000원 (VAT 별도)                       | 없음                          | 없음                                                                       |
| 추가 옵션 (Minibody)            | 500,000원 (VAT 별도)                       | 없음                          | 없음                                                                       |
| 추가 옵션 (항체 클론 추가)            | 500,000원/클론 (VAT 별도)                    | 없음                          | 없음                                                                       |
| 항원 단백질의 경제 서비스              | 불가                                      | 협의 사항 (비용 발생)               | 협의 사항 (비용이 발생할 수 있음)                                                     |
| 항체를 이용한 연구 결과물의 공유          | 해당 사항 없음                                | 해당 사항 없음                    | 필수 사항 (저작물의 오써집 공유 포함)                                                   |
| 항체 클론/서열의 서열제공 및 지적재산권      | 항체 발현클론이나 서열은 제공하지 않음<br>지적재산권은 당사에게 있음 | 고객 (계약 내용에 따라 달라질 수 있음)     | 협의 사항 (기본 50:50)                                                         |

- 세계적 규모의 재조합 항체 라이브러리 구축 및 보유 : 인간항체 (scFv) : 1.08 x 10<sup>11</sup> clones, 단일도메인 항체 (sdAb) : 5.02 x 10<sup>10</sup> clones
- 초고속 항체 스크리닝 : "One Day One Panning" 전략으로 항원 수형에서 부터 항체 경제까지 단 15-25일 소요
- 다른 항체 제작 비용보다 저렴한 합리적 서비스 비용 : 200만원/항체
- 제작 기간과 서비스 비용을 고려한 다양한 서비스 옵션 : 베이직 서비스, 풀 서비스 그리고 공동연구개발 서비스
- 대장균을 이용한 다양한 형태의 항체 발현과 경제 : GB1 융합 & IgG Fc 융합 Minibody

Protein Markers

| Products                                    | Qty (application)              | Cat. No. | Price (W) |
|---------------------------------------------|--------------------------------|----------|-----------|
| Smart Color Pre-stained Marker              | 250 µl (50 applications)       | EBM-2000 | 70,000    |
| Broad-range Pre-stained Marker (all blue)   | 500 µl (100 applications)      | EBM-1031 | 140,000   |
| Broad-range Pre-stained Marker (dual color) | 500 µl (100 applications)      | EBM-1032 | 160,000   |
| Broad-range Marker (un-stained)             | 500 µl (100 applications)      | EBM-1034 | 140,000   |
| Mid-range Pre-stained Marker (dual color)   | 500 µl (100 applications)      | EBM-1018 | 100,000   |
| Mid-range Pre-stained Marker (all blue)     | 500 µl (100 applications)      | EBM-1014 | 60,000    |
| Step-view™ Wide-range Marker (un-stained)   | 500 µl (100 applications)      | EBM-1036 | 200,000   |
| Step-view™ 10kD Pre-stained Marker          | 250 µl (50 applications)       | EBM-1016 | 150,000   |
| Step-view™ 10kD Marker (un-stained)         | 500 µl (100 applications)      | EBM-1015 | 100,000   |
| Step-view™ 20kD Pre-stained Marker          | 250 µl (50 applications)       | EBM-1019 | 120,000   |
| Step-view™ 20kD Marker (un-stained)         | 500 µl (100 applications)      | EBM-1020 | 100,000   |
| West-view™ Western Marker                   | 250 µl (50 - 500 applications) | EBM-1017 | 150,000   |
| West-view™ 2 Western Marker (Broad-range)   | 250 µl (50 - 500 applications) | EBM-1037 | 150,000   |

Protein Gel Electrophoresis

| Products                                 | Qty (application)     | Cat. No. | Price (W) |
|------------------------------------------|-----------------------|----------|-----------|
| Gradi-Gel™ I High-size PAGE Analysis Kit | 1 Kit (50 mini-gels)  | EBA-1057 | 150,000   |
| Gradi-Gel™ II Gradient PAGE Analysis Kit | 1 Kit (50 mini-gels)  | EBA-1056 | 150,000   |
| Pepti-Gel™ Peptide PAGE Analysis Kit     | 1 Kit (50 mini-gels)  | EBA-1053 | 100,000   |
|                                          | 1 Kit (250 mini-gels) | EBA-1054 | 400,000   |

Gel Electrophoresis Buffers

| Products                             | Qty (application) | Cat. No. | Price (W) |
|--------------------------------------|-------------------|----------|-----------|
| 10x Tris-Glycine-SDS Running Buffer  | 1 L (10x)         | EBA-1041 | 40,000    |
| 10x Tris-Glycine Running Buffer      | 1 L (10x)         | EBA-1042 | 40,000    |
| 10x TBS Buffer                       | 1 L (10x)         | EBA-1101 | 40,000    |
| Protein Extraction Solution (NP-40)  | 100 ml            | EBA-1049 | 40,000    |
| Protein Extraction Solution (RIPA)   | 100 ml            | EBA-1149 | 40,000    |
| Sample Buffer (Laemmli's 2x)         | 50 ml             | EBA-1051 | 40,000    |
| Sample Buffer (Laemmli's 5x)         | 50 ml             | EBA-1052 | 80,000    |
| 1 M Tris-HCl (pH6.8)                 | 500 ml            | EBA-1044 | 20,000    |
| 1.5 M Tris-HCl (pH8.8)               | 500 ml            | EBA-1045 | 20,000    |
| 1 M Tris-HCl (pH7.0)                 | 500 ml            | EBA-1102 | 20,000    |
| 1 M Tris-HCl (pH7.5)                 | 500 ml            | EBA-1103 | 20,000    |
| 1 M Tris-HCl (pH8.0)                 | 500 ml            | EBA-1104 | 20,000    |
| 10x PBS                              | 500 ml            | EBA-1105 | 20,000    |
| 10% SDS                              | 100 ml            | EBA-1046 | 40,000    |
| 10x TBE Buffer                       | 1 L (10x)         | EBA-1047 | 30,000    |
| 20x TAE Buffer                       | 1 L (20x)         | EBA-1048 | 30,000    |
| 50x TAE Buffer                       | 1 L (50x)         | EBA-1148 | 60,000    |
| 10x TE Buffer (pH8.0)                | 100 ml            | EBA-1200 | 30,000    |
| Ethidium Bromide Solution (10 mg/ml) | 10 ml             | EBA-1202 | 30,000    |
| 6x DNA Loading Buffer                | 10 ml             | EBA-1204 | 30,000    |
| PRO-Hunt™ His-Bind Buffer Kit 100    | 1 Kit             | EBE-1040 | 80,000    |

Protein Gel Stains

| Products                              | Qty (application)       | Cat. No. | Price (W) |
|---------------------------------------|-------------------------|----------|-----------|
| Silver Stain Kit (low background)     | 1 Kit (25 applications) | EBP-1051 | 80,000    |
| Reversible Membrane Staining Solution | 1 L (100 applications)  | EBP-1032 | 40,000    |

Western Detection Reagents

| Products                | Qty (application)                   | Cat. No. | Price (W) |
|-------------------------|-------------------------------------|----------|-----------|
| EPD Western Reagent     | 1 Kit (Sol A, 100ml; Sol B, 100 ml) | EBP-1071 | 80,000    |
| PicoEPD Western Reagent | 1 Kit (Sol A, 100ml; Sol B, 100 ml) | EBP-1073 | 100,000   |

Protein Concentration Kits

| Products                              | Qty (application) | Cat. No. | Price (W) |
|---------------------------------------|-------------------|----------|-----------|
| Rapid-Con™ Protein Concentration Kit  | 1 Kit             | EBE-1012 | 100,000   |
| Rapid-Con™ PAGE Sample Clean-up Kit   | 1 Kit             | EBE-1014 | 100,000   |
| Rapid-Con™ Protein Concentration Bead | 0.5 ml            | EBE-1013 | 30,000    |



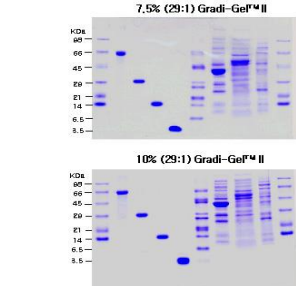
Smart Color EBM-2000 Broad-Range (dual) EBM-1032



- 세계로 수출되는 제품
- 국내 유일의 직접 제조 마커 제품
- 고순도 정제 단백질 사용 :  
buffer에 따라 size가 변하는 고분자 물질이 아닙니다
- 정확한 size 구성의 재조합 단백질
- 500 µl의 용량 : 최소 100회 loading 가능
- Ready-to-load 방식의 편리한 제품 조성
- 다양한 제품구성

\*\* West-View Western Marker는 항체와 반응하여 band로 나타나는 제품입니다.  
여러분의 실험결과에 폭격을 더해 줄 것입니다.  
일본과 미국에 OEM방식으로 수출되는 제품입니다.

Gradi-Gel™ II Gradient PAGE Analysis Kit

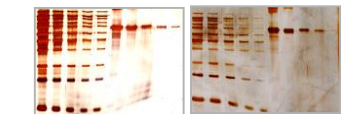


- 단일 %에서 Gradient 효과 구현 :  
세계적으로 유일무이한 기술
- 하나의 gel에서 모든 size의 단백질 관찰 가능
- Peptide 분석의 새로운 틀로 급부상 중
- 최고의 해상도
- 높은 효율의 western transfer
- 다수의 논문 인용

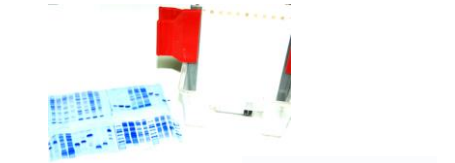


- 다양한 premade buffer 류
- 엄격한 QC
- 직접 제조할 때와 비교해 경제적인 제품 가격

Silver Stain Kit (low background)



- 높은 민감도, 낮은 background의 silver 염색 제품
- 3x 500 ml의 고용량 제품
- 희석이 필요없는 ready to use의 완제품
- Gel에 묻은 지문이 나올 만큼의 고반응성 제품



PicoEPD Western Reagent

- 최장 2시간의 signal 지속
- pg 수준의 높은 민감도

| Products                    | Qty (application)    | Cat. No. | Price (W) |
|-----------------------------|----------------------|----------|-----------|
| HRV 3C Protease, 6x His     | 2,000 unit (100 µl)  | EBF-1001 | 250,000   |
| HRV 3C Protease, 6x His     | 10,000 unit (500 µl) | EBF-1002 | 800,000   |
| HRV 3C Protease, 6x His-GST | 1,000 unit (100 µl)  | EBF-1003 | 250,000   |
| HRV 3C Protease, 6x His-GST | 5,000 unit (500 µl)  | EBF-1004 | 800,000   |
| TEV Protease, 6x His        | 2,000 unit (100 µl)  | EBF-1009 | 250,000   |
| TEV Protease, 6x His        | 10,000 unit (500 µl) | EBF-1010 | 800,000   |
| TEV Protease, 6x His-GST    | 1,000 unit (100 µl)  | EBF-1011 | 250,000   |
| TEV Protease, 6x His-GST    | 5,000 unit (500 µl)  | EBF-1012 | 800,000   |

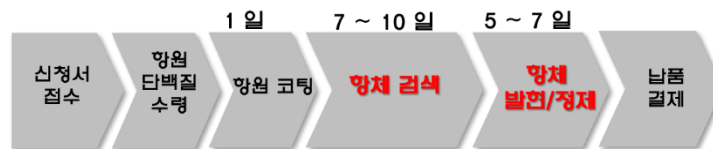
- 4°C에서도 높은 활성 유지
- 단백질 정제의 필수품
- 6xHis 또는 GST fusion type : easy removal
- 고순도 재조합 정제 단백질

- 국내 유일의 당단백 분석 효소군
- 고순도 재조합 정제 단백질
- 높은 특이 활성도

| Products                     | Qty (application)     | Cat. No. | Price (W) |
|------------------------------|-----------------------|----------|-----------|
| Endo H (Endoglycosidase H)   | 50,000 unit (100 µl)  | EBG-1001 | 300,000   |
| Endo F1 (Endoglycosidase F1) | 50,000 unit (100 µl)  | EBG-1002 | 300,000   |
| PNase F (N-glycosidase F)    | 50,000 unit (100 µl)  | EBG-1005 | 300,000   |
| O-Glycosidase                | 10,000 Kunit (200 µl) | EBG-1008 | 300,000   |
| Ribonuclease B               | 250 µg (5 µg/µl)      | EBG-1007 | 50,000    |

| Products                       | Qty (application)    | Cat. No. | Price (W) |
|--------------------------------|----------------------|----------|-----------|
| HEX (β-N-Acetylhexosaminidase) | 1,000 unit (200 μl)  | EBG-1009 | 300,000   |
| β-Hexosaminidase, E.coli       | 1,000 unit (200 μl)  | EBG-1010 | 300,000   |
| α2-3, 6, 8 Neuraminidase       | 10,000 unit (100 μl) | EBG-1011 | 300,000   |
| α2-3 Neuraminidase             | 10,000 unit (100 μl) | EBG-1012 | 300,000   |

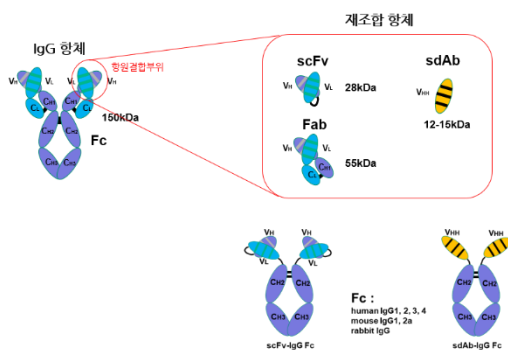
Human scFv 그리고 Camel sdAb : 200  $\mu$ g의 항원단백질만 보내주시면 됩니다



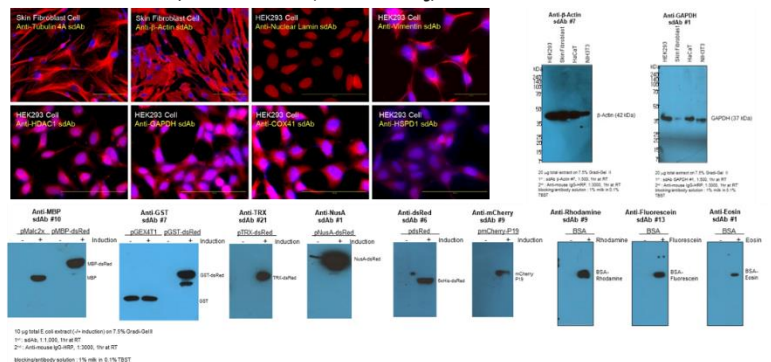
항체신약개발을 위해, 진단키트개발을 위해, 또는 연구를 위해,  
항체 제작을 고민하고 계신가요?

항원 단백질을 보내주시면 200만원대의 합리적인 가격으로 단 15-25일만에 완성됩니다

ReCOMbody는 재조합 항체 제작 서비스의 대표 브랜드입니다



재조합 항체를 이용한 결과 (Immunofluorescence, Western blotting)



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### 판매중인 제품 및 서비스

- 재조합 항체 스크리닝 서비스
- 재조합 항체 발현/정제 서비스
- 분자생물학 연구용 효소 및 키트
- 단백질 생화학 연구용 제품

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