



For research use only

ISO9001

## Ban I

Product	Quantity	Cat. No.	Remarks
Ban I	2,500 unit	EBR-1027	10 unit/μl

### Recognition site

5' ...G G Py Pu C C... 3'  
 3' ...C C Pu Py G G... 5'

### Source

*Bacillus aneurinolyticus*.

### Reaction Conditions

Buffer 4 + BSA. 20 mM Tris-acetate (pH 7.9), 50 mM potassium acetate, 10 mM magnesium acetate, 1 mM DTT. Supplement with 100 μg/ml BSA. Incubate at 37°C.

### Concentration & Storage Condition

Store at -20°C. 10 unit/μl in 10 mM Tris-HCl (pH 7.4), 50 mM KCl, 1 mM DTT, 0.1 mM EDTA, 200 μg/ml BSA, 50% (v/v) glycerol.

### Heat Inactivation Condition

65°C for 20min.

### Enzyme dilution

Dilute with Storage Buffer.

### QC Tests

Activity, ligation and recutting, exo and endonuclease activity test, SDS-PAGE purity, performance tests.

### Methylase Sensitivity

Blocked by some combinations of overlapping *dcm* or CpG methylation.

Buf4	37°C	65°C	dcm	
BUFFER	REACTION	INACTIVATION	METHYL BLOCK	BLUE/WHITE

Buffer	1	2	3	4
Activity	50	100	50	100



For research use only

ISO9001

## Ban I

Product	Quantity	Cat. No.	Remarks
Ban I	2,500 unit	EBR-1027	10 unit/μl

### Recognition site

5' ...G G Py Pu C C... 3'  
 3' ...C C Pu Py G G... 5'

### Source

*Bacillus aneurinolyticus*.

### Reaction Conditions

Buffer 4 + BSA. 20 mM Tris-acetate (pH 7.9), 50 mM potassium acetate, 10 mM magnesium acetate, 1 mM DTT. Supplement with 100 μg/ml BSA. Incubate at 37°C.

### Concentration & Storage Condition

Store at -20°C. 10 unit/μl in 10 mM Tris-HCl (pH 7.4), 50 mM KCl, 1 mM DTT, 0.1 mM EDTA, 200 μg/ml BSA, 50% (v/v) glycerol.

### Heat Inactivation Condition

65°C for 20min.

### Enzyme dilution

Dilute with Storage Buffer.

### QC Tests

Activity, ligation and recutting, exo and endonuclease activity test, SDS-PAGE purity, performance tests.

### Methylase Sensitivity

Blocked by some combinations of overlapping *dcm* or CpG methylation.

Buf4	37°C	65°C	dcm	
BUFFER	REACTION	INACTIVATION	METHYL BLOCK	BLUE/WHITE

Buffer	1	2	3	4
Activity	50	100	50	100