



For research use only

ISO9001

Sca I

Product	Quantity	Cat. No.	Remarks
Sca I	1,000 unit	EBR-1123	10 unit/μl

Recognition site

5' ...A G T | A C T... 3'
3' ...T C A | T G A... 5'

Source

Streptomyces caespitosus.

Reaction Conditions

Buffer 3. 50 mM Tris-HCl (pH 7.9), 100 mM NaCl, 10 mM MgCl₂, 1 mM DTT.

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

80°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

Not sensitive to *dam*, *dcm* or CpG methylation.

Note

Low salt, high glycerol (>5%) concentrations, pH > 8.0 or large excess of enzyme may result in star activity.

Buf4

BUFFER

37°C

REACTION

80°C

INACTIVATION

METHYL BLOCK

BLUE/WHITE

Buffer

1

2

3

4

Activity

-

-

100

-

Buf4

BUFFER

37°C

REACTION

80°C

INACTIVATION

METHYL BLOCK

BLUE/WHITE

Buffer

1

2

3

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Activity

-

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