



For research use only

ISO9001

Spe I

Product	Quantity	Cat. No.	Remarks
Spe I	500 unit	EBR-1131	10 unit/μl

Recognition site

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

Source

Sphaerotilus species.

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), 250 mM NaCl, 1 mM DTT, 0.1 mM EDTA, 200 μg/ml BSA, 50% (v/v) glycerol, 0.15% Triton X-100.

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.

Buf4	37°C	80°C		BW
BUFFER	REACTION	INACTIVATION	METHYL BLOCK	BLUE/WHITE

Buffer	1	2	3	4
Activity	75	100	25	100



For research use only

ISO9001

Spe I

Product	Quantity	Cat. No.	Remarks
Spe I	500 unit	EBR-1131	10 unit/μl

Recognition site

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

Source

Sphaerotilus species.

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), 250 mM NaCl, 1 mM DTT, 0.1 mM EDTA, 200 μg/ml BSA, 50% (v/v) glycerol, 0.15% Triton X-100.

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.

Buf4	37°C	80°C		BW
BUFFER	REACTION	INACTIVATION	METHYL BLOCK	BLUE/WHITE

Buffer	1	2	3	4
Activity	75	100	25	100