



For research use only

ISO9001

## Ssp I

Product	Quantity	Cat. No.	Remarks
Ssp I	500 unit	EBR-1135	10 unit/μl

### Recognition site

5'...A A T | A T T...3'  
3'...T T A | T A A...5'

### Source

*Sphaerotilus* species.

### Reaction Conditions

Buffer Ssp I. 100 mM Tris-acetate (pH 7.5), 50 mM sodium chloride, 10 mM magnesium chloride, 0.025% Triton X-100. Incubate at 37°C.

### Concentration & Storage Condition

Store at -20°C. 10 unit/μl in 10 mM Tris-HCl (pH 7.4), 200 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

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

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.

Buf U	37°C	65°C		
BUFFER	REACTION	INACTIVATION	METHYL BLOCK	BLUE/WHITE

Buffer	1	2	3	4
Activity	50	100	50	50



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