

For research use only ISO9001

## Sca I

Product	Quantity	Cat. No.	Remarks
Sca I	1,000 unit	EBR-1123	<b>10</b> 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 MgCl<sub>2</sub>, 1 mM DTT.

Incubate at 37 ℃.

### **Concentration & Storage Condition**

Store at -20  $^{\circ}$ C. 10 unit/ $\mu$ l in 10 mM Tris-HCl (pH 7.4), 50 mM KCl, 1 mM DTT, 0.1 mM EDTA, 200  $\mu$ g/ml BSA, 50% (v/v) glycerol.

### **Heat Inactivation Condition**

80°C for 20min.

### Enzyme dilution

Dilute with Storage Buffer.

### QC Tests

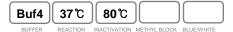
Activity, ligation and recutting, exo and endonuclease activity test, SDS-PAGE purity, performance tests.

### 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.



<u> </u>				
Buffer	1	2	3	4
Activity	-	-	100	-



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