



For research use only

ISO9001

## Kpn I

Product	Quantity	Cat. No.	Remarks
Kpn I	5,000 unit	EBR-1083	10 unit/μl

### Recognition site



### Source

*Klebsiella pneumoniae* OK8

### Reaction Conditions

Buffer 1 + BSA. 10 mM Tris-Cl (pH 7.5), 7 mM magnesium chloride, 50mM KCl, 1 mM DTT.

Supplement with 100 mg/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 mg/ml BSA, 50% (v/v) glycerol.

### Heat Inactivation Condition

No.

### 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 blocked by CpG methylase.

### Note

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

Buf1	37°C			BW
BUFFER	REACTION	INACTIVATION	METHYL BLOCK	BLUE/WHITE

Buffer	1	2	3	4
Activity	100	75	0	50



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