



For research use only

ISO9001

## Hind III Methylase

Product	Quantity	Cat. No.	Remarks
Hind III Methylase	200 unit	EBR-3007	5 unit/ $\mu$ l

### Description

The Hind III methylase recognizes 5'--AAGCTT--3' sequences and methylates first adenine (N<sup>6</sup>) residues.



### Source

Recombinant gene from *Haemophilus influenzae Rd*.

### Applications

Blocking restriction endonuclease cleavage restricted by Hind III methylation.

### Reaction Conditions

1x Methylase reaction buffer in the presence of 160  $\mu$ M S-adenosylmethionine (SAM). Incubate at 37°C.

### Concentration & Storage Condition

Store at -20°C. 5 unit/ $\mu$ l in 50 mM Tris-HCl, pH 7.5, 50 mM KCl, 1 mM DTT, 10 mM EDTA, 200  $\mu$ g/ml BSA, 50% (v/v) glycerol.

### Unit Definition

One unit is defined as the amount of enzyme required to fully protect against Hind III cleavage of 1  $\mu$ g of  $\lambda$  DNA in 1 hr at 37°C.

### Heat Inactivation Condition

65°C for 20 min.

### QC Tests

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



For research use only

ISO9001

## Hind III Methylase

Product	Quantity	Cat. No.	Remarks
Hind III Methylase	200 unit	EBR-3007	5 unit/ $\mu$ l

### Description

The Hind III methylase recognizes 5'--AAGCTT--3' sequences and methylates first adenine (N<sup>6</sup>) residues.



### Source

Recombinant gene from *Haemophilus influenzae Rd*.

### Applications

Blocking restriction endonuclease cleavage restricted by Hind III methylation.

### Reaction Conditions

1x Methylase reaction buffer in the presence of 160  $\mu$ M S-adenosylmethionine (SAM). Incubate at 37°C.

### Concentration & Storage Condition

Store at -20°C. 5 unit/ $\mu$ l in 50 mM Tris-HCl, pH 7.5, 50 mM KCl, 1 mM DTT, 10 mM EDTA, 200  $\mu$ g/ml BSA, 50% (v/v) glycerol.

### Unit Definition

One unit is defined as the amount of enzyme required to fully protect against Hind III cleavage of 1  $\mu$ g of  $\lambda$  DNA in 1 hr at 37°C.

### Heat Inactivation Condition

65°C for 20 min.

### QC Tests

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