



For research use only

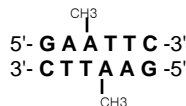
ISO9001

## EcoR I Methylase

Product	Quantity	Cat. No.	Remarks
EcoR I Methylase	2,000 unit	EBR-3005	20 unit/ $\mu$ l

### Description

The EcoR I methylase recognizes 5'--GAATTC--3' sequences and methylates internal adenine (N<sup>6</sup>) residues.



### Source

Recombinant gene from *E.coli* RY13.

### Applications

Blocking restriction endonuclease cleavage restricted by EcoR I methylation.

### Reaction Conditions

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

### Concentration & Storage Condition

Store at -20  $^{\circ}$ C. 20 unit/ $\mu$ l in 20 mM Tris-HCl, pH 7.5, 100 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 EcoR I cleavage of 1  $\mu$ g of  $\lambda$  DNA in 1 hr at 37  $^{\circ}$ C.

### Heat Inactivation Condition

65  $^{\circ}$ C for 20 min.

### QC Tests

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



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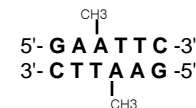
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