



For research use only

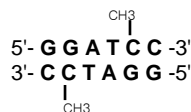
ISO9001

BamH I Methylase

Product	Quantity	Cat. No.	Remarks
BamH I Methylase	1,000 unit	EBR-3004	5 unit/ μ l

Description

The BamH I Methylase recognizes 5'--GGATCC--3' sequences and methylates internal cytosine (C⁴) residues.



Source

Recombinant gene from *Bacillus amyloliquefaciens* H.

Applications

Blocking restriction endonuclease cleavage restricted by BamH I methylation.

Reaction Conditions

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

Concentration & Storage Condition

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

Unit Definition

One unit is defined as the amount of enzyme required to fully protect against BamH I cleavage of 1 μ g of λ 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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