



For research use only

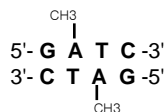
ISO9001

T4 *dam* Methylase

Product	Quantity	Cat. No.	Remarks
T4 <i>dam</i> Methylase	1,000 unit	EBR-3002	10 unit/ μ l

Description

The T4 *dam* Methylase recognizes 5'--GATC--3' sequences and methylates all adenine (N⁶) residues.



Source

Recombinant gene from T4 phage.

Applications

Blocking restriction endonuclease cleavage restricted by *dam* methylation.

Reaction Conditions

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

Concentration & Storage Condition

Store at -20°C. 10 unit/ μ l in 50 mM Tris-HCl, pH 7.5, 50 mM KCl, 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 Mbo I cleavage of 1 μ g of unmethylated 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.



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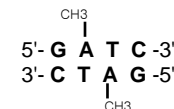
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