

## DMT Enzyme

Cat. No. GD111

Concentration: 10 units/ $\mu$ l

Storage: at  $-20^{\circ}\text{C}$  for two years

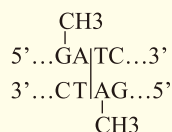
### Description

DMT cuts the sequence  $\text{G}^{\text{m}}\text{ATC}$  (G is methylated) but does not cut the sequence  $\text{GATC}$  (G is not methylated). This enzyme cuts DNA prepared from most commonly used *E.coli* strains ( $\text{dam}^+$  strain), but does not cut PCR products.

### Unit Definition

One unit (U) is defined as the amount of enzyme required for completely digesting 1  $\mu\text{g}$  methylated pBR322 DNA at  $37^{\circ}\text{C}$  for one-hour reaction in a 50  $\mu\text{l}$  reaction system.

### Restriction Site



### Applications

*In vitro* site-directed DNA mutagenesis; degradation of methylated plasmid template.

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