

Active Recombinant Human DNMT3L, GST-tagged

Cat. No. DNMT3L-166H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human DNMT3L was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	Recombinant full-length human DNMT3L was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 50mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Bio-activity	The specific activity of DNMT3A (0.25µg) was increased 3-fold co-incubated with DNMT3L (0.25 ug)
Molecular Mass	~70 kDa
Purity	>80% by densitometry
Applications	Methyltransferase Assay
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration 0.1 µg/µl

GENE INFORMATION

Gene Name DNMT3L DNA (cytosine-5-)-methyltransferase 3-like [Homo sapiens]

Official Symbol DNMT3L

Synonyms DNMT3L; DNA (cytosine-5-)-methyltransferase 3-like; DNA (cytosine-5)-methyltransferase 3-like; cytosine 5 methyltransferase 3 like protein; human cytosine 5 methyltransferase 3 like protein; MGC1090; cytosine-5-methyltransferase 3-like protein; human cytosine-5-methyltransferase 3-like protein;

Gene ID 29947

mRNA Refseq NM_013369

Protein Refseq NP_037501

MIM 606588

UniProt ID Q9UJW3

Chromosome Location 21q22.3

Pathway Cysteine and methionine metabolism, organism-specific biosystem; Cysteine and methionine metabolism, conserved biosystem; Metabolic pathways, organism-specific biosystem; Methionine degradation, organism-specific biosystem; Methionine degradation, conserved biosystem;

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Function

enzyme activator activity; enzyme binding; metal ion binding; protein binding;

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