

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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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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