

Recombinant Human DNMT1 protein, GST-tagged

Cat. No. DNMT1-72H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DNMT1 protein, fused with N-terminal GST tag, was expressed in insect cell.
Species	Human
Source	Insect Cells
ProteinLength	2-1632
Description	DNA (cytosine-5)-methyltransferase 1 (DNMT1) methylates CpG residues, preferentially methylating hemimethylated DNA to maintain the methylation pattern in the new strand of replicated DNA.
Form	20 mM Tris/HCl pH 7.5, 120 mM NaCl, 1 mM TCEP, 10% glycerol (v/v).
Molecular Mass	209.0 kDa
Purity	>85% by SDS-PAGE
Storage	Store at -80°C. Thaw quickly and store on ice before use. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name DNMT1 DNA (cytosine-5)-methyltransferase 1 [Homo sapiens]

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Official Symbol	DNMT1
Synonyms	DNMT1; DNA (cytosine-5-)-methyltransferase 1; DNMT; DNA (cytosine-5)-methyltransferase 1; CXXC9; MCMT; m.Hsal; DNA MTase Hsal; CXXC finger protein 9; DNA methyltransferase 1; DNA methyltransferase Hsal; CXXC-type zinc finger protein 9; AIM; HSN1E; FLJ16293; MGC104992;
Gene ID	1786
mRNA Refseq	NM_001130823
Protein Refseq	NP_001124295
MIM	126375
UniProt ID	P26358
Chromosome Location	19p13.2
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, conserv
Function	DNA (cytosine-5-)-methyltransferase activity; DNA binding; DNA-methyltransferase activity; metal ion binding; protein binding; transcription factor binding; transferase activity; zinc ion binding;

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