

Recombinant Human DNMT1 protein, GST-tagged

Cat. No. DNMT1-199H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DNMT1(1 a.a. - 110 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1 a.a. - 110 a.a.
Description	This gene encodes an enzyme that transfers methyl groups to cytosine nucleotides of genomic DNA. This protein is the major enzyme responsible for maintaining methylation patterns following DNA replication and shows a preference for hemi-methylated DNA. Methylation of DNA is an important component of mammalian epigenetic gene regulation. Aberrant methylation patterns are found in human tumors and associated with developmental abnormalities. Variation in this gene has been associated with cerebellar ataxia, deafness, and narcolepsy, and neuropathy, hereditary sensory, type IE. Alternative splicing results in multiple transcript variants.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	37.84 kDa
AA Sequence	MPARTAPARVPTLAVPAISLPDDVRRRLKDLERDSLTEKECVKEKLNLLHEFLQTEIK NQLCDLETCLRKEELSEEGYLAKVKSLNLDLSLENGAHAYNREVNGRLENG

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

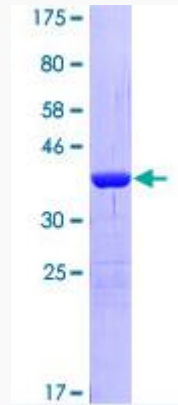
GENE INFORMATION

Gene Name	DNMT1 DNA (cytosine-5-)-methyltransferase 1 [Homo sapiens]
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_001379
Protein Refseq	NP_001370
MIM	126375
UniProt ID	P26358

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