

Recombinant Full Length Human TRDMT1 Protein, GST-tagged

Cat. No. TRDMT1-4755HF Lot. No. (See product label)

SPECIFICATION

Product Overview Human DNMT2 full-length ORF (AAH47733, 1 a.a. - 391 a.a.) recombinant protein with GST-tag at N-terminal.

Species Human

Source In Vitro Cell Free System

ProteinLength 391 amino acids

Description This gene encodes a protein responsible for the methylation of aspartic acid transfer RNA, specifically at the cytosine-38 residue in the anticodon loop. This enzyme also possesses residual DNA-(cytosine-C5) methyltransferase activity. While similar in sequence and structure to DNA cytosine methyltransferases, this gene is distinct and highly conserved in its function among taxa. [provided by RefSeq, Jun 2010]

Molecular Mass 68.75 kDa

AA Sequence

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MEPLRVLELYSGVGGMHHALRESCIPAQVVAIDVNTVANEVYKYNFHHTQLLAKTI
EGITLLEFDRLSFDMLMSPPCQPFTRIGRQGDMDTSRTNSFLYILDILPRLQKLPKYI
LLENVKGFEVSSTRDLLIQTIENTCGFQYQEFLLSPTSLGIPNSRLRYFLIAKLQSEPLPF
QAPGQVLMFEPKIESVHPQKYAMDVEEKIQEKNVEPNISFDGSIQCSGKDAILFKLET
AEEIHRKNQQDSDLSVKMLKDFLEDDTDVNQYLLPPKSLRLRYALLLDIVQPTCRRSV
CFTKGYGSYIEGTGSVLQTAEDVQVENIYKSLTNLSQEEQITKLLILKLRFYFTPKEIANL
LGFPPEFGFPEKITVKQRYRLLGNSLNVHVVAKLIKILYE
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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.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	TRDMT1 tRNA aspartic acid methyltransferase 1 [Homo sapiens]
Official Symbol	TRDMT1
Synonyms	TRDMT1; tRNA aspartic acid methyltransferase 1; DNA (cytosine 5) methyltransferase 2 , DNMT2; tRNA (cytosine(38)-C(5))-methyltransferase; RNMT1; DNA methyltransferase-2; DNA MTase homolog HsaiIP; tRNA (cytosine-5)-methyltransferase; DNA (cytosine-5)-methyltransferase-like protein 2; DMNT2; DNMT2; PUMET; MHSaiIP;
Gene ID	1787
mRNA Refseq	NM_004412
Protein Refseq	NP_004403
MIM	602478



UniProt ID

O14717

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