

Product datasheet for **TP761101**

Dnmt2 (TRDMT1) (NM_004412) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human tRNA aspartic acid methyltransferase 1 (TRDMT1), full length, with N-terminal HIS tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length TRDMT1
Tag:	N-His
Predicted MW:	44.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_004403
Locus ID:	1787
UniProt ID:	O14717 , Q6ICS7
RefSeq Size:	7687
Cytogenetics:	10p13
RefSeq ORF:	1173
Synonyms:	DMNT2; DNMT2; MHSIIP; PUMET; RNMT1



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Summary:

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]

Protein Families:

Druggable Genome

Protein Pathways:

Cysteine and methionine metabolism, Metabolic pathways

Product images: