

## Recombinant Human TRDMT1 Protein, GST-tagged

**Cat. No.** TRDMT1-4051H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human DNMT2 full-length ORF ( AAH47733, 1 a.a. - 391 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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]
<b>Molecular Mass</b>	68.75 kDa
<b>AA Sequence</b>	MEPLRVLELYSGVGGMHHALRESCIPAQVVAAIDVNTVANEVYKYNFHHTQLLAKTI EGITLLEFDRLSFDMLMSPPCQPFTRIGRQGDMTDSRTNSFLYILDILPRLQKLPKYI LLENVKGFEVSSTRDLLIQTIENTCGFQYQEFLLSPTSLGIPNSRLRYFLIAKLQSEPLPF QAPGQVLMFEPKIESVHPQKYAMDVEEKIQEKNVEPNISFDGSIQCSGKDAILFKLET AEEIHRKNQQDSDLSVKMLKDFLEDDTDVNQYLLPPKSLRLRYALLLDIVQPTCRRSV CFTKGYGSYIEGTGSVLQTAEDVQVENIYKSLTNLSQEEQITKLLILKLRYFTPKEIANL LGFPPEFGFPEKITVKQRYRLLGNSLNVHVVAKLIKILYE
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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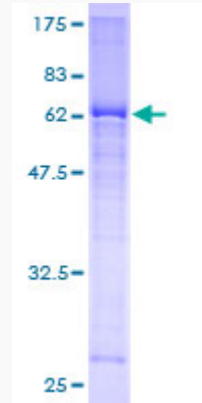
	Antibody Production Protein Array
<b>Notes</b>	Best use within three months from the date of receipt of this protein.
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	TRDMT1 tRNA aspartic acid methyltransferase 1 [ Homo sapiens ]
<b>Official Symbol</b>	TRDMT1
<b>Synonyms</b>	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; MHSIIP;
<b>Gene ID</b>	1787
<b>mRNA Refseq</b>	NM_004412
<b>Protein Refseq</b>	NP_004403
<b>MIM</b>	602478
<b>UniProt ID</b>	O14717

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**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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