

Recombinant Full Length Human TRDMT1 Protein

Cat. No. TRDMT1-529HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Dnmt2 with N terminal proprietary tag, 69.08 kDa.
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.
Form	Liquid
Molecular Mass	69.080kDa inclusive of tags
AA Sequence	MEPLRVLELYSGVGGMHHALRESCIPAQVVAIDVNTVAN EVYKYNFPHTQLLAKTI EGITLEEFDRLSFDMLMSPPCQ PFTRIGRQGDMTDSRTNSFLYILDILPRLQKLPKYI LLEN VKGFEVSSTRDLLIQTIENCGFQYQEFLLSPTSLGIPNSR LRYFLIAKLQSEPLP FQAPGQVLMEFPKIESVHPQKYAMD VENKIQEKNVEPNISFDGSIQCSGKDAILFKL ETAEEIHR KNQQDSDSL SVKMLKDFLEDDTDVNQYLLPPKSLLRYALLL DIVQPTCRR SVCFTKGYSYIEGTGSVLQTAEDVQVENIY KSLTNLSQEEQITKLLILKLRYFTPKEI ANLLGFPPEFGF PEKITVKQRYRLLGNSLNVHVAKLIKILYE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	Proprietary Purification
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.
Storage Buffer	pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

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
Gene ID	1787
mRNA Refseq	NM_004412
Protein Refseq	NP_004403
MIM	602478
UniProt ID	O14717

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