

Recombinant Human TRDMT1, His-tagged

Cat. No. TRDMT1-15835H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Recombinant human TRDMT1 protein, fused to His tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Species Human

Source E.coli

ProteinLength 1-391aa

Description TRDMT1(tRNA aspartic acid methyltransferase 1), also known as DNMT2, specifically methylates cytosine 38 in the anticodon loop of tRNA(Asp).

Form Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Molecular Mass 47.2 kDa (415aa) confirmed by MALDI-TOF

AA Sequence

MGSSHHHHHH SSGLVPRGSH MGSMEPLRV LELYSGVGGM HHALRESCIP
 AQVVAIDVN TVANEVYKYN FPHTQLLAKT IEGITLEefd RLSFDMILMS
 PPCQPFTRIG RQGDMTDSRT NSFLYILDIL PRLQKLPKYI LLENVKGFEV
 SSTRDLLIQT IENCGFQYQE FLLSPTSLGIPNSRLRYFLI AKLQSEPLPF
 QAPGQVLMEF PKIESVHPQK YAMDVENKIQ EKNVEPNISF DGSIQCSGKD
 AILFKLETAE EIHRKNQQDS DLSVKMLKDF LEDDtdVNQY LLPPKSLRLY
 ALLLDIVQPT CRRSVCFTKG YGSYIEGTGS VLQTAEDVQV ENIYKSLTNL
 SQEEQITKLLILKLRyFTPk EIANLLGFPP EFGFPEKITV KQRYRLLGNS
 LNVHVVAkli KILYE

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term. For long term storage, aliquot and store at at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	1mg/ml (determined by Bradford assay)

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

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Chromosome Location	10p15.1
Function	DNA (cytosine-5-)-methyltransferase activity; DNA binding; RNA binding; methyltransferase activity; transferase activity;

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