

Recombinant Human TRNA Aspartic Acid Methyltransferase 1, His-tagged

Cat. No. TRDMT1-5583H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanTRDMT1 protein, fused to His-tag at N-terminus, wasexpressed in E. coli and purified by using conventionalchromatography.
Species	Human
Source	E.coli
Description	TRDMT1 also known asDNMT2, specificallymethylates cytosine 38 in the anticodon loop of tRNA (Asp).
Form	Liquid. 20mMTris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT.
Molecular Weight	47.2 kDa (415aa)confirmed by MALDI-TOF
Purity	> 90% by SDS-PAGE
Concentration	1 mg/ml(determined by Bradford assay)
Sequences of aminoacids	MGSSHHHHHHSSGLVPRGSH MGSMEPLRV LELYSGVGGM HHALRESCIP AQVVAIDVN TVANEVYKYNFPHTQLLAKT IEGITLEEFD RLSFDMILMS PPCQPFTRIG RQGDMTDSRT NSFLYILDIL PRLQKLPKYILLENVKGFEV SSTRDLLIQT IENCGFQYQE FLLSPTSLGI PNSRLRYFLI AKLQSEPLPF QAPGQVLMEFPKIESVHPQK YAMDVENKIQ EKNVEPNISF DGSIQCSGKD AILFKLETAE EIHRKNQQDS DLSVKMLKDFLEDDTDVNQY LLPPKSLLRY

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ALLLDIVQPT CRRSVCFTKG YGSYIEGTGS VLQTAEDVQV
 ENIYKSLTNLSQEEQITKLL ILKLRYFTPK EIANLLGFPP EFGFPEKITV
 KQRYRLLGNS LNVHVVAKLI KILYE

Storage

Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

OfficialSymbol

TRDMT1

nullValue_other

Pathway

Cysteine and methioninemetabolism; Metabolic pathways

GENE INFORMATION

Gene Name

TRDMT1 tRNA aspartic acidmethyltransferase 1 [Homo sapiens]

Synonyms

TRDMT1; tRNAaspartic acid methyltransferase 1; DMNT2; DNMT2; PuMet; RNMT1; M.HsaIIP; DNAmethyltransferase-2; DNA MTase homolog HsaIIP; DNA methyltransferase homologHsaIIP; DNA (cytosine-5-)-methyltransferase 2; EC 2.1.1.29; DNA(cytosine-5)-methyltransferase-like protein; MHSaIIP; PUMET; OTTHUMP00000019228;tRNA (cytosine(38)-C(5))-methyltransferase; tRNA(cytosine-5-)-methyltransferase; EC 2.1.1

Gene ID

1787

mRNA Refseq

NM_004412

Protein Refseq

NP_004403

MIM

602478

UniProt ID

O14717

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Chromosome	10p15.5
Location	

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