

Recombinant human TRDMT1 protein

Catalog Number: ATGP1495

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-391aa

UniProt No.

O14717

NCBI Accession No.

AAH47733

Alternative Names

tRNA (cytosine(38)-C(5))-methyltransferase, M.HsaIIP, PuMet, RNMT1, DNMT2

PRODUCT SPECIFICATION

Molecular Weight

47.1 kDa (415aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

TRDMT1 (tRNA aspartic acid methyltransferase 1), also known as DNMT2, specifically methylates cytosine 38 in the anticodon loop of tRNA (Asp). Recombinant human TRDMT1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MEPLRV LELYSGVGGM HHALRESCIP AQVVAIDVN TVANEVYKYN
FPHTQLLAKT IEGITLEEFD RLSFDMILMS PPCQPFTRIG RQGDMTDSRT NSFLYILDIL PRLQKLPKYI LLENVKGFEV

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SSTRDLLIQT IENCGFQYQE FLLSPTSLGI PNSRLRYFLI AKLQSEPLPF QAPGQVLMEF PKIESVHPQK YAMDVENKIQ
EKNVEPNISF DGSIQCSGKD AILFKLETAE EIHRKNQQDS DLSVKMLKDF LEDDTDVNQY LLPPKSLLRY ALLLDIVQPT
CRRSVCFTKG YGSYIEGTGS VLQTAEDVQV ENIYKSLTNL SQEEQITKLL ILKLYFTPK EIANLLGFPP EFGFPEKITV
KQRYRLLGNS LNVHVVAKLI KILYE

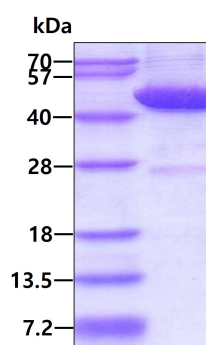
General References

Okano M., et al. (1998) Nucleic Acids Res. 26:2536-2540

Franchina M., et al. (2001) Int. J. Biochem. Cell Biol. 33:1104-1115

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.