

Datasheet for ABIN7560828
TRMT5 Protein (AA 1-501) (His tag)



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Overview

Quantity:	1 mg
Target:	TRMT5
Protein Characteristics:	AA 1-501
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRMT5 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Trmt5 Protein expressed in mammalien cells.
Sequence:	MRIVWKLFGF SRRLQVEWC HPSESILLFT LVPRLRKAPS VFLLGQRQGL STMPEIEASV RDSELFSPPS DVRGMRELD R TAFKKTVSIP VLKARKEVNV RLMRALRRVA LQRPGIK RVI EDPKDEDSRL IMLDPYRMLT ADSFDK AELG VLKELDVSPQ LSQYNLELTY ENFKSEEILK AVLPEGQDVT SGFSRVGHIA HLNLRDHQLP FKHLIGQVMV DKNPGITS AV NKTSNIDNTY RNFQMEVLCG EENMLTKVRE NNYTYEFD FS K VYWNPRLST EHGRITELLN PGDVLFDVFA GVGPFAIPAA RKNCTVFAND LNPESHK WLL HNCKLNKVDQ KVKVFNMDGK DFIQGPVREE LMLRLGLSAE AKPSVHIVMN LPAK AIEFLS VFRSLLDGQP CSTE L LPTVH CYCF SKDSDP AKDVRQQA EA VLGVSLETSS SVHLVRNVAP NKEMLCITFQ IPTATLYRNQ SLSLQNDQEP PLKRQKT GDP FSGEPQIASD S Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

TRMT5

Alternative Name:

Trmt5 ([TRMT5 Products](#))

Background:

TRNA (guanine(37)-N1)-methyltransferase (EC 2.1.1.228) (M1G-methyltransferase) (tRNA [GM37] methyltransferase) (tRNA methyltransferase 5 homolog),FUNCTION: Involved in mitochondrial tRNA methylation (By similarity). Specifically methylates the N1 position of guanosine-37 in various tRNAs. Methylation is not dependent on the nature of the nucleoside 5' of the target nucleoside. This is the first step in the biosynthesis of wybutosine (yW), a modified base adjacent to the anticodon of tRNAs and required for accurate decoding.
{ECO:0000250|UniProtKB:Q32P41, ECO:0000255|HAMAP-Rule:MF_03152}.

Molecular Weight:

56.8 kDa

UniProt:

[Q9D0C4](#)

Application Details

Application Notes:

In addition to the applications listed above we expect the protein to work for functional studies

Application Details

as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months