

Datasheet for ABIN7558815
TRMT2B Protein (AA 1-493) (His tag)



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Overview

Quantity:	1 mg
Target:	TRMT2B
Protein Characteristics:	AA 1-493
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRMT2B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Trmt2b Protein expressed in mammalien cells.
Sequence:	MHNPRFLFSR AGFFSKPGLL PWDTGRPPDL SQSLLGRAYK GSFTSVIAKK HPSRQKYQKK QRHCRDDSWQ ERLADVVTPL WRLSYEAQLK VKFEAQKKLL QSLESHLKVL HGVSDTVAAH QSEGLRCLLH PIIPSPTTTG YRNKSTFSVY RSPDGNPKTV GYYLGTWKDG NVVCLPCNHL KNIPEKHSQV AQYYEVFLRQ SSVEPCLLFH EGGHWRELVV RTNRQGHTMA IVTFHPQGLS EEEVCVQKVT LKDDFTKGGP AICELTSLYF QESTMTRCSH QQSPYQLLFG EPHIFEDLLG LKIRISPDFAF FQINTAGAEM LYRIIGELSG VNSESLLLDI CCGTGVIGLS VAQRASQVHG IELVEQAVED ARWTAAFNGV TNCEFHAGRA ETILPQLLKS QKDEKLTAV VNPARGLHY RVVRAIRNCR TIHTLVFVSC KPHGESTRNF IELCCPPNSA KQLLGDPFVL REAVPVDLFP HTPHCELVLL FTR 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:

TRMT2B

Alternative Name:

Trmt2b ([TRMT2B Products](#))

Background:

TRNA (uracil-5-)-methyltransferase homolog B (EC 2.1.1.35) (TRM2 homolog B) (rRNA (uracil-5-)-methyltransferase TRMT2B) (EC 2.1.1.-),FUNCTION: Mitochondrial S-adenosyl-L-methionine-dependent methyltransferase that catalyzes the formation of 5-methyl-uridine in tRNAs and 12S rRNA (PubMed:31736397). Catalyzes the methylation of uridine at position 54 (m5U54) in all tRNAs (PubMed:31736397). Specifically methylates the uridine in position 425 of 12S rRNA (m5U425) (PubMed:31736397). Does not affect RNA stability or mitochondrial translation (By similarity). {ECO:0000250|UniProtKB:Q96GJ1, ECO:0000269|PubMed:31736397}.

Molecular Weight:

55.5 kDa

UniProt:

[Q8BQJ6](#)

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