

Datasheet for ABIN7544777
TRMT2A Protein (AA 1-625) (His tag)



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Overview

Quantity:	1 mg
Target:	TRMT2A
Protein Characteristics:	AA 1-625
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRMT2A protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat TRMT2A Protein expressed in mammalien cells.
Sequence:	<p>MSENLDNEGP KPMESCGQES SSALSCPTVS VPPAAPAALE EVEKEGAGAA TGPGPQPGLY SYIRDDLFTS EIFKLELQNV PRHASFSDVR RFLGRFGLQP HKTKLFGQPP CAFVTFERSAA ERDKALRVLH GALWKGRPLS VRLARPKADP MARRRRQEGE SEPPVTRVAD VVTPLWTPY AEQLERKQLE CEQVLQKLAK EIGSTNRALL PWLLEQRHKH NKACCPLEGV RPSPQQTEYR NKCEFLVGVG VDGEDNTVGC RLGKYKGGTC AVAAPFDTVH IPEATKQVVK AFQEFIRSTP YSAYDPETYT GHWKQLTVRT SRRHQAMAIA YFHPQKLSPE ELAELKTSLA QHFTAGPGRA SGVTCLYFVE EGQRKTPSQE GLPLEHVAGD RCIHEDLLGL TFRISPHAFF QVNTPAAEVL YTVIQDWAQL DAGSMVLDVC CGTGTIGLAL ARKVKRVIGV ELCPEAVEDA RVNAQDNELS NVEFHCGRAE DLVPTLVSR L ASQHLVAILD PPRAGLHSKV ILAIRAKNL RRLLYVSCNP RAAMGNFVDL CRAPSNRVKG IPFRPVKAVA VDLFPQTPHC EMLILFERVE HPNGTGVLGP HSPPAQPTPG PPDNTLQETG TFPSS Sequence without tag. The proposed Purification-Tag is</p>

Product Details

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.

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:

TRMT2A

Alternative Name:

TRMT2A ([TRMT2A Products](#))

Background:

TRNA (uracil-5-)-methyltransferase homolog A (EC 2.1.1.35) (mRNA (uracil-5-)-methyltransferase TRMT2A) (EC 2.1.1.-),FUNCTION: S-adenosyl-L-methionine-dependent methyltransferase that catalyzes the formation of 5-methyl-uridine in tRNAs and some mRNAs (PubMed:31361898, PubMed:33799331, PubMed:34556860). Mainly catalyzes the methylation of uridine at position 54 (m5U54) in cytosolic tRNAs (PubMed:31361898, PubMed:33799331). Also able to mediate the formation of 5-methyl-uridine in some mRNAs (PubMed:34123281). {ECO:0000269|PubMed:31361898, ECO:0000269|PubMed:33799331, ECO:0000269|PubMed:34123281, ECO:0000269|PubMed:34556860}.

Molecular Weight:

68.7 kDa

UniProt:

[Q8IZ69](#)

Application Details

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