

Datasheet for ABIN7544628  
**TRMT2B Protein (AA 1-504) (His tag)**



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## Overview

Quantity:	1 mg
Target:	TRMT2B
Protein Characteristics:	AA 1-504
Origin:	Human
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:	MAGLKRRVPL HSLRYFISMV GLFSKPGLLP WYARNPPGWS QLFLGTVCKG DFTRVIATKC QKGQKSQKKP SHLGPLDGSW QERLADVVTPLWRLSYEEQL KVKFAAQKKI LQRLESYIQM LNGVSVTTAV PKSERLSCLL HPIIPSPVIN GYRNKSTFSV NRGPDGNPKT VGFYLGWTWRD GNVVCVQSNH LKNIPEKHSQ VAQYYEVFLR QSPLEPCLVF HEGGYWRELT VRTNSQGHTM AIITFHPQKL SQEELHVQKE IVKEFFIRGP GAACGLTSLY FQESTMTRCS HQQSPYQLLF GEPYIFEELL SLKIRISPDA FFQINTAGAE MLYRTVGELT GVNSDTILLD ICCGTGVIGL SLAQHTSRVL GIELLEQAVE DARWTAAFNG ITNSEFHTGQ AEKILPGLLK SKEDGQSIVA VVNPARAGLH YKVIQAIRNF RAIHTLVFVS CKLHGESTRN VIELCCPPDP AKKLLGEPFV LQQAVPVDLF PHTPHCELVL LFTR <b>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.</b>

## Product Details

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### 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.

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### Purity:

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

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### Grade:

custom-made

## Target Details

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### Target:

TRMT2B

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### Alternative Name:

TRMT2B ([TRMT2B Products](#))

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### 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:31948311, PubMed:34556860). Catalyzes the methylation of uridine at position 54 (m5U54) in all tRNAs (PubMed:31948311). Specifically methylates the uridine in position 429 of 12S rRNA (m5U429) (PubMed:31948311). Does not affect RNA stability or mitochondrial translation (PubMed:31948311). {ECO:0000269|PubMed:31948311, ECO:0000269|PubMed:34556860}.

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### Molecular Weight:

56.5 kDa

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### UniProt:

[Q96GJ1](#)

## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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