

Datasheet for ABIN7544726

TRMT5 Protein (AA 1-509) (His tag)



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Overview

Quantity:	1 mg
Target:	TRMT5
Protein Characteristics:	AA 1-509
Origin:	Human
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 mammalian cells.
Sequence:	<p>MVLWILWRPF GFSGRFLKLE SHSITESKSL IPVAWTSLTQ MLLEAPGIFL LGQRKRFSTM</p> <p>PETETHERET ELFSPPSDVR GMTKLDRTAF KKTVNIPVLK VRKEIVSKLM RSLKRAALQR</p> <p>PGIRRVIEDP EDKESRLIML DPYKIFTHDS FEKAELSVLE QLVNVPQISK YNLELTIEHF</p> <p>KSEEILRAVL PEGQDVTSGF SRIGHIAHLN LRDHQLPFKH LIGQVMIDKN PGITSAVNKI</p> <p>NNIDNMYRNF QMEVLSGEQN MMTKVRENNY TYEFDFSKVY WNPRLSTEHS RITELLKPGD</p> <p>VLFDFVAGVG PFAIPVAKKN CTVFANDLNP ESHKWLLYNC KLNKVDQKVK VFNLDGKDFL</p> <p>QGPVKEELMQ LLGLSKERKP SVHVVMNLPA KAIEFLSAFK WLLDGQPCSS EFLPIVHCYS</p> <p>FSKDANPAED VRQRAGAVLG ISLEACSSVH LVRNVAPNKE MLCITFQIPA SVLYKNQTRN</p> <p>PENHEDPPLK RQRTAEAFSD EKTQIVSNT 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</p>

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:

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 (PubMed:26189817). 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:0000269|PubMed:26189817}.

Molecular Weight:

58.3 kDa

UniProt:

[Q32P41](#)

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.
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Restrictions:	For Research Use only
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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