

Datasheet for ABIN7549582
TRMU Protein (AA 1-421) (His tag)



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Overview

Quantity:	1 mg
Target:	TRMU
Protein Characteristics:	AA 1-421
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRMU protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat TRMU Protein expressed in mammalien cells.
Sequence:	<p>MQALRHVVCA LSGGVDSAVA ALLLRRRGYQ VTGVFMKNWD SLDEHGVCTA DKDCEDAYRV CQILDIPFHQ VSYVKEYWND VFSDFLNEYE KGRTPNPDIV CNKHIKFSCF FHYAVDNLGA DAIATGHYAR TSLEDEEVFE QKHVKKPEGL FRNRFEV RNA VKLLQAADSF KDQTFFLSQV SQDALRRTIF PLGGLTKEFV KKIAAENRLH HVLQKKESMG MCFIGKRNFE HFLLQYLQPR PGHFISIEDN KVLGTHKGWF LYTLGQRANI GGLREPWYVV EKDSVKGDVF VAPRTDHPAL YRDLLRTSRV HWIAEPPAA LVRDKMMECH FRFRHQMALV PCVLTLNQDG TVWVTAVQAV RALATGQFAV FYKGDECLGS GKILRLGPSA YTLQKGQRRR GMATESPSDS PEDGPGLSPL L</p> <p>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.</p> <p>In case you have a special request, please contact us.</p>
Characteristics:	Key Benefits:

Product Details

- 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
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Grade:	custom-made
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Target Details

Target:	TRMU
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Alternative Name:	TRMU (TRMU Products)
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Background:	Mitochondrial tRNA-specific 2-thiouridylase 1 (EC 2.8.1.14) (MTO2 homolog),FUNCTION: Catalyzes the 2-thiolation of uridine at the wobble position (U34) of mitochondrial tRNA(Lys), tRNA(Glu) and tRNA(Gln). Required for the formation of 5-taurinomethyl-2-thiouridine (tm5s2U) of mitochondrial tRNA(Lys), tRNA(Glu), and tRNA(Gln) at the wobble position. ATP is required to activate the C2 atom of the wobble base. {ECO:0000269 PubMed:15509579, ECO:0000269 PubMed:15944150, ECO:0000269 PubMed:16826519}.
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Molecular Weight:	47.7 kDa
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UniProt:	O75648
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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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Application Details

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