

Datasheet for ABIN7544830
TRUB2 Protein (AA 1-331) (His tag)



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Overview

Quantity:	1 mg
Target:	TRUB2
Protein Characteristics:	AA 1-331
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRUB2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TRUB2 Protein expressed in mammalian cells.
Sequence:	<p>MGSAGLSRLH GLFAVYKPPG LKWKHLRDTV ELQLLKGLNA RKPPAPKQRV RFLGPMEGS EEKELTLTAT SVPSFINHPL VCGPAFAHLK VGVGHRDLAQ ASGVLVLGVG HGCRLTDMY NAHLTKDYTV RGLLGKATDD FREDGRLVEK TTYDHVTREK LDRILAVIQG SHQKALVMYS NLDLKTQEAY EMAVRGLIRP MNKSPMLITG IRCLYFAPPE FLLEVQCMHE TQKELRKL VH EIGLELKTTA VCTQVRRTRD GFFTLD SALL RTQWDLTNIQ DAIRAATPV AAELEKSLSP GLDTKQLPSP GWSWDSQGPS STLGLERGAG Q</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. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	TRUB2
Alternative Name:	TRUB2 (TRUB2 Products)
Background:	<p>Pseudouridylate synthase TRUB2, mitochondrial (EC 5.4.99.-) (TruB pseudouridine synthase homolog 2) (tRNA pseudouridine 55 synthase TRUB2) (Psi55 synthase TRUB2) (EC 5.4.99.25),FUNCTION: Minor enzyme contributing to the isomerization of uridine to pseudouridine (pseudouridylation) of specific mitochondrial mRNAs (mt-mRNAs) such as COXI and COXIII mt-mRNAs (PubMed:27974379, PubMed:31477916). As a component of a functional protein-RNA module, consisting of RCC1L, NGRN, RPUSD3, RPUSD4, TRUB2, FASTKD2 and 16S mitochondrial ribosomal RNA (16S mt-rRNA), controls 16S mt-rRNA abundance and is required for intra-mitochondrial translation (PubMed:27667664). Also catalyzes pseudouridylation of some tRNAs, including synthesis of pseudouridine(55) from uracil-55, in the psi GC loop of a subset of tRNAs (PubMed:33023933).</p> <p>{ECO:0000269 PubMed:27667664, ECO:0000269 PubMed:27974379, ECO:0000269 PubMed:31477916, ECO:0000269 PubMed:33023933}.</p>
Molecular Weight:	36.7 kDa
UniProt:	O95900

Application Details

Application Notes:	We expect the protein to work for functional studies. 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