

Datasheet for ABIN7544190
TBC1D21 Protein (AA 1-336) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TBC1D21
Protein Characteristics:	AA 1-336
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TBC1D21 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TBC1D21 Protein expressed in mammalian cells.
Sequence:	MTTLSPENSL SARQSASFIL VKRKPPIDKT EWDSFFDESG HLAKSRDFIC VNILERGLHP FVRTEAWKFL TGYFSWQSSQ DERLTVDSMR RKNYKALCQM YEKIQLLEN LHRNFTETRN NIARDIQKIY DKDPLGNVLI DKKRLEKILL LSYVCNTQAE YQQGFHEMMM LFQLMVEHDH ETFWLFQFFL QKTEHSCVIN IGVAKNLDML STLITFLDPV FAEHLKGKGA GAVQSLFPWF CFCFQRAFKS FDDVWRLWEV LLTGKPCRNF QVLVAYSMLQ MVREQVLQES MGGDDILLAC NNLIDLDADE LISAACVVYA ELIQKDVPQT LKDDFFL 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.
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:	TBC1D21
Alternative Name:	TBC1D21 (TBC1D21 Products)
Background:	TBC1 domain family member 21 (Male germ cell Rab GTPase-activating protein),FUNCTION: Acts as a GTPase-activating protein for Rab family protein(s) (PubMed:28067790, PubMed:19077034). Essential for the establishment of male fertility, and is required for both the production of normal sperm number and sperm function (By similarity). Plays an important role in the formation of intact mitochondria, outer dense fibers and axoneme within the sperm tail (By similarity). Essential for sperm mitochondrial sheath formation and for the interactions of ARMC12 with VDAC2 and VDAC3 (By similarity). May be involved in acrosome formation and cytoskeletal reorganization during spermiogenesis, possibly by regulating RAB3A activity (PubMed:21128978). {ECO:0000250 UniProtKB:Q9D9D3, ECO:0000269 PubMed:28067790, ECO:0000305 PubMed:19077034, ECO:0000305 PubMed:21128978}.
Molecular Weight:	39.2 kDa
UniProt:	Q8IYX1

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
