

Datasheet for ABIN7563618
TTC21B Protein (AA 1-1315) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TTC21B
Protein Characteristics:	AA 1-1315
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TTC21B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ttc21b Protein expressed in mammalian cells.
Sequence:	MDSQGLKTLI NYYCQERYHH HVLLVASEGM KKYSSDPVFR FYHAYGTLME GKAQEALREF EAIKNKQDVS LCSLMALMYV HKMSPNPDRE AILELDTKMK EQRKEAGRKA LYHAGLFLWH IGRHDKAREY IDRMSKMPHD SNEGPILKAW LDITRGKEPY AKKALRYFEE GLQDGN DIFA LLGKVLCEI RQNYSGALET VSQIIVNFPS FLPAFEKKMK LQLALQDWDQ TVETAQRLLL QDNHNVEALR MLALYYLCRE GDVEKAATKL ENLGNALDVM EPQNAQLFYK ITLAFSRTCG RNQLILQKVQ SFLEKAFSLT PQQAEIATEL GYQMILQGKV KEAWKWYRTA MTLNESNISA VTGLIRCQLI EGQLQDADQQ LEFFSEFQQS MGKSAELMYL HAVLATKKNN RQDEVINLLN DVVNTHFSHL EDLPLGIQYF EKLNPDFLLE VVTEYLNLCV IQPAGPGQPL SPVLRRCSSV LETIIRSVPG LPQAVFLMAK VKYLSGDTEA AYNNLQHCL E HSPSYAE AHL LMAQVYLSQD KVKLCSQSLE LCLSYNFNVR EYPLYHLIKA QSQKKMGEVA EAIKTLHMAM NLPGMRRSRA SSKSKHRTEV DASHRLSIFL ELVEVHRLNG EQHEAAKVLQ DAIHEFSGTC EELRVTIANA DLALAQGDTD RALSMLRNVT TEQPYFIEAK EKMAIYLLKH RKEKMLYITC YREIAERMPS

PRSFLLLGDA YMNIQEPEEA IVAYEQALNQ NPKDGLTARK IGKALVKTHN YSKAITYYEA
ALKSGQQNCL CYDLAELLR LKLYEKAEKV LQHSLAHEPV SELSALMVDG RSQVLLAKVY
SKMERPSDAI AALQQARELQ ARILKRVQME QPDAVPSQKH FAAEICAEIA KHSAAQRDYE
KAITFYREAL VHCETDSKIM LELAQLYLAQ EDLDASLRHC ALLLQRDQDN EPATMLMADL
MFRKQDYEQV VYHLQQLDR KPDNFMTLSR LIDLLRRCGK LEDVPRFFLM AEKHNSRTKL
EPGFQYCKGL HFWYTGEVND ALRHFNKARK DSDWQNALY NMIEICLNPD NETIGGEVFE
NLNGDLGTSP EKQESVQLAV RTAEKLLKEL KPQTVQGRQLQ LRIMENCCLM ATKQKSSVEQ
ALNTFTEIAA SEKDHIPALL GMATAYMILK QTPKARNQLK RIAKMPWNPI EAEDLEKSWL
LLADIYIQSA KYDMAEELLK RCLCHNRSCC KAYEYMGYIM EKEQAYTDAA FNYEMAWKHS
NQTNPVAVGYK LAFNYLKAKR YVDAIDVCHQ VLEAHPTYPK IRKDILDKAR ASLRP **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:

- 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:	TTC21B
Alternative Name:	Ttc21b (TTC21B Products)
Background:	Tetratricopeptide repeat protein 21B (TPR repeat protein 21B) (Intraflagellar transport 139 homolog) (Tetratricopeptide repeat-containing hedgehog modulator 1),FUNCTION: Component of the IFT complex A (IFT-A), a complex required for retrograde ciliary transport and entry into cilia of G protein-coupled receptors (GPCRs). Essential for retrograde trafficking of IFT-1, IFT-B and GPCRs (By similarity). Negatively modulates the SHH signal transduction (PubMed:18327258). {ECO:0000250 UniProtKB:Q7Z4L5, ECO:0000269 PubMed:18327258}.
Molecular Weight:	150.8 kDa
UniProt:	Q0HA38
Pathways:	Hedgehog Signaling

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