

Datasheet for ABIN7555899

TTC21B Protein (AA 1-1316) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TTC21B
Protein Characteristics:	AA 1-1316
Origin:	Human
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:	MDSQELKTLI NYYCQERYFH HVLLVASEGI KRYGSDPVFR FYHAYGTLME GKTQEALREF EAIKNKQDVS LCSLLALIYA HKMSPNPDR AILESDARVK EQRKGAGEKA LYHAGLFLWH IGRHDKAREY IDRMKISDG SKQGHVLKAW LDITRGKEPY TKKALKYFEE GLQDGNDFTA LLGKAQCLEM RQNYSGALET VNQIIVNFPS FLPAFVKKMK LQLALQDWDQ TVETAQRLLL QDSQNVEALR MQALYYVCRE GDIEKASTKL ENLGNTLDAM EPQNAQLFYN ITLAFSRTCG RSQILQKIQ TLLERAFSLN PQQSEFATEL GYQMILQGRV KEALKWYKTA MTLDETSVSA LVGFICQQLI EGQLQDADQQ LEFLNEIQQS IGKSAELIYL HAVLAMKKNK RQEEVINLLN DVLDTHTFSQL EGLPLGIQYF EKLNPDFLLE IVMEYLSFCP MQPASPGQPL CPLLRRCISV LETVRTVPG LLQTVFLIAK VKYLSGDIEA AFNNLQHCL EHNPSYADAHL LLAQVYLSQE KVKLCSQSLE LCLSYDFKVR DYPLYHLIKA QSQKKMGEIA DAIKTLHMAM SLPGMKRIGA STKSKDRKTE VDTSHRLSIF LELIDVHRLN GEQHEATKVL QDAIHEFSGT SEEVRTIAN ADLALAQGDI ERALSILQNV TAEQPYFIEA REKMADIYLK HRKDKMLYIT CFREIAERMA

NPRSLLLLGD AYMNILEPEE AIVAYEQALN QNPKDGTLAS KMGKALIKTH NYSMAITYYE
AALKTGQKNY LCYDLAELLL KLKWYDKAEK VLQHALAHEP VNELSALMED GRCQVLLAKV
YSKMEKLGDA ITALQQAREL QARVLKRVQM EQPDAVPAQK HLAAEICAIEI AKHSVAQRDY
EKAIKFYREA LVHCETDNKI MLELARLYLA QDDPDSCLRQ CALLLQSDQD NEAATMMMAD
LMFRKQDYEQ AVFHLQQLLE RKPDPNYMTLS RLIDLLRRCG KLEDVPRFFS MAEKRNSRAK
LEPGFYCKG LYLWYTGEPN DALRHFNKAR KDRDWGQNAL YNMIEICLNP DNETVGGEVF
ENLDGDLGNS TEKQESVQLA VRTAEKLLKE LKPQTVQGHV QLRIMENYCL MATKQKSNVE
QALNTFTEIA ASEKEHIPAL LGMATAYMIL KQTTPRARNQL KRIAKMNWNA IDAEFEKSW
LLLADIYIQS AKYDMAEDLL KRCLRHNRSC CKAYEYMGYI MEKEQAYTDA ALNYEMAWKY
SNRTNPAVGY KLAFNLYLAK RYVDSIDICH QVLEAHPTYP KIRKDILDKA RASLRP **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),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 (PubMed:27932497). Negatively modulates the SHH signal transduction (By similarity). {ECO:0000250 UniProtKB:Q0HA38, ECO:0000269 PubMed:27932497}.
Molecular Weight:	150.9 kDa
UniProt:	Q7Z4L5
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