

Datasheet for ABIN7564487

TTC21A Protein (AA 1-1314) (His tag)



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Overview

Quantity:	1 mg
Target:	TTC21A
Protein Characteristics:	AA 1-1314
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TTC21A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ttc21a Protein expressed in mammalian cells.
Sequence:	MSSDDSSLMA SIIYYSQEKY FHHVLQAANV GLERYSSDPA LQFFRAYGIL GEDHIHDAIS ELEGIQSHPD TSLCAVIAL SAHKSCDTID IEAVQELESS LKEIRRSASS TALYYASLFL WFMGHHD KAR EYVDHMLKVS SGSKEGYVLK GWVDLTSSKP HVVKKSIKYL EQGTQDTKDV LGLMGKATYF MTQQNFSGAL EVANQVTLAC SNFLPALVLK MKLFLARQDW DQTIETGQRI LEKDENNIDA WQILAVHELV KEGNTDRAAD RVRNLIKALE TGEHPNPNLH LKKILVISRL CGRHQVVHRL VSGFLERIFM ATPSCALVAT ELGYLFILHQ QVKEACLWYK EAMKLEENRL AALAGSIWCQ ILQGQLEEEA HQLFLKEVQ QSLGKSELLV FLQALVAAKK QRLEQEATAL LKEAVEVHFS SMQGLALSPE YFEKLDPLFL VCIKEYLHF CPKQPRSPGQ LVSPLLKQVA MILSPVVKVA PAMMEPLYVT AQVKFLSGEL ENAQSTLQRC LELDPTFVDA HLLMSQIYLA QGNFAMCSHC LELGVSHNFQ VRDHPLYHFI KARALNKTGD YAEAIKTLKM IIKVPTSKAE EGRKSQSPSV RPSEASILL ELVEALRLNG ELHEATKIMQ DAINEFSGTP EEMRITVANV DLALSKGNVD LALNMLRGIT PKQPCYTEAK EKMASIYLHT RKDVRLYIGC YVELCEHLPG

PHSSLLLGDA FMNIQEPEKA LEVYDEAYRK NPHDASLVSR IGQAYVKTHQ YAKAINYYEA
AQKISGQDFL CCELAELLLK LKKYHKAKEV LKQALERDSG VKDIPSMINE VKCLLLLAKV
YKSHKKEEVM ETLNLALDLQ SRILKRVPLE QSEMIPFQNN LAASICIQIG EHHLAEKDYD
SALKSYKDAL AYSPTDSKV LELAHLVLLL GQLDLCEQRC APLLEMEQTH ERAAVMLADL
MFRRQNYETA INLYHQVLEK APDNFLVLNK LVDLLRRSGK LEEAPAFFEL AKKVSSRVPL
EPGFNYCQGI YFWHIGQPNE ALRFLNKARK DSTWGQLATC YMVQICLNPD NEIVGGEAFE
SLVGDSNSAS RKESQQHGVR TAEKLLREFY PHSESGQTQL RLLQNLCLLA TREKANVEVA
LGAFIEMAQA EKDSIPALLA MAQAYILLKQ VPKARTQLKR LAKVPWTVDE AEDLEKSWLL
LADIYCQGGK FDLALELLRR CLQYNKSCCR AYEYMGFIME KEQSYKDAAT NYELAWKYSH
QANPAIGFKL AFNYLKDKKF VDAIEVCHSV LTHEPKYPKI REEILEKAQG SLRP **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:	TTC21A
Alternative Name:	Ttc21a (TTC21A Products)
Background:	Tetratricopeptide repeat protein 21A (TPR repeat protein 21A) (Tetratricopeptide repeat-containing hedgehog modulator 2),FUNCTION: Intraflagellar transport (IFT)-associated protein required for spermatogenesis (PubMed:30929735). Required for sperm flagellar formation and intraflagellar transport (PubMed:30929735). {ECO:0000269 PubMed:30929735}.
Molecular Weight:	148.6 kDa
UniProt:	Q8C0S4

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