Datasheet for ABIN7554154

IFT140 Protein (AA 1-1462) (His tag)

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Overview

Quantity:	1 mg
Target:	IFT140
Protein Characteristics:	AA 1-1462
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFT140 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant IFT140 Protein expressed in mammalian cells.
Sequence:	MALYYDHQIE APDAAGSPSF ISWHPVHPFL AVAYISTTST GSVDIYLEQG ECVPDTHVER PFRVASLCWH PTRLVLAVGW ETGEVTVFNK QDKEQHTMPL THTADITVLR WSPSGNCLLS GDRLGVLLLW RLDQRGRVQG TPLLKHEYGK HLTHCIFRLP PPGEDLVQLA KAAVSGDEKA LDMFNWKKSS SGSLLKMGSH EGLLFFVSLM DGTVHYVDEK GKTTQVVSAD STIQMLFYME KREALVVVTE NLRLSLYTVP PEGKAEEVMK VKLSGKTGRR ADIALIEGSL LVMAVGEAAL RFWDIERGEN YILSPDEKFG FEKGENMNCV CYCKVKGLLA AGTDRGRVAM WRKVPDFLGS PGAEGKDRWA LQTPTELQGN ITQIQWGSRK NLLAVNSVIS VAILSERAMS SHFHQQVAAM QVSPSLLNVC FLSTGVAHSL RTDMHISGVF ATKDAVAVWN GRQVAIFELS GAAIRSAGTF LCETPVLAMH EENVYTVESN RVQVRTWQGT VKQLLLFSET EGNPCFLDIC GNFLVVGTDL AHFKSFDLSR REAKAHCSCR SLAELVPGVG GIASLRCSSS GSTISILPSK ADNSPDSKIC FYDVEMDTVT VFDFKTGQID RRETLSFNEQ ETNKSHLFVD EGLKNYVPVN HFWDQSEPRL FVCEAVQETP RSQPQSANGQ PQDGRAGPAA DVLILSFFIS EEHGFLLHES FPRPATSHSL

	LGMEVPYYYF TRKPEEADRE DEVEPGCHHI PQMVSRRPLR DFVGLEDCDK ATRDAMLHFS FFVTIGDMDE AFKSIKLIKS EAVWENMARM CVKTQRLDVA KVCLGNMGHA RGARALREAE QEPELEARVA VLATQLGMLE DAEQLYRKCK RHDLLNKFYQ AAGRWQEALQ VAEHHDRVHL RSTYHRYAGH LEASADCSRA LSYYEKSDTH RFEVPRMLSE DLPSLELYVN KMKDKTLWRW WAQYLESQGE MDAALHYYEL ARDHFSLVRI HCFQGNVQKA AQIANETGNL AASYHLARQY ESQEEVGQAV HFYTRAQAFK NAIRLCKENG LDDQLMNLAL LSSPEDMIEA ARYYEEKGVQ MDRAVMLYHK AGHFSKALEL AFATQQFVAL QLIAEDLDET SDPALLARCS DFFIEHSQYE RAVELLLAAR KYQEALQLCL GQNMSITEEM AEKMTVAKDS SDLPEESRRE LLEQIADCCM RQGSYHLATK KYTQAGNKLK AMRALLKSGD TEKITFFASV SRQKEIYIMA ANYLQSLDWR KEPEIMKNII GFYTKGRALD LLAGFYDACA QVEIDEYQNY DKAHGALTEA YKCLAKAKAK SPLDQETRLA QLQSRMALVK RFIQARRTYT EDPKESIKQC ELLLEEPDLD STIRIGDVYG FLVEHYVRKE EYQTAYRFLE EMRRRLPLAN MSYYVSPQAV DAVHRGLGLP LPRTVPEQVR HNSMEDAREL DEEVVEEADD DP **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:	IFT140
Alternative Name:	IFT140 (IFT140 Products)
Background:	Intraflagellar transport protein 140 homolog (WD and tetratricopeptide repeats protein 2),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) (PubMed:20889716, PubMed:22503633). Plays a pivotal role in proper development and function of ciliated cells through its role in ciliogenesis and/or cilium maintenance (PubMed:22503633). Required for the development and maintenance of the outer segments of rod and cone photoreceptor cells. Plays a role in maintenance and the delivery of opsin to the outer segment of photoreceptor cells (By similarity). {ECO:0000250|UniProtKB:E9PY46, ECO:0000269|PubMed:20889716, ECO:0000269|PubMed:22503633, ECO:0000269|PubMed:28724397}.
Molecular Weight:	165.2 kDa
UniProt:	Q96RY7
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

