

Datasheet for ABIN7564059
IFT122 Protein (AA 1-1182) (His tag)



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Overview

Quantity:	1 mg
Target:	IFT122
Protein Characteristics:	AA 1-1182
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFT122 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ift122 Protein expressed in mammalian cells.
Sequence:	MRAVLTWDRK AEQCIYDLAF KPDGTQLILA AGNRLLVYDT SDGTLQLPK GHKDTVYCV YAKDGKRFAS GSADKSIIW TSKLEGILKY THNSIQCVS YNPVTHQLAS CSSSDFGLWS PEQKSVSKHK SSSKITCCSW TNDGQYLALG MANGIISIRN KNGEEKVKIE RPPGSLSPIW SICWNPSREE HNDILAVADW GQKLSFYQLS GKQIGKDRPL NFDPCISYF TKGEYILVGG SDKQVSLFTK DGVRLGTVGE QNSVWVTCRV KPDSNYVVVG CQDGTISFYQ LIFSTVHGLY KDRYAYRDSM TDVIVQHLIT EQKVRIKCRE LVKKIAIYKN RLAIQLPEKI LIYELYSEDS TDMHYRVKEK IVKKFECNLL VVCADHIILC QEKRLQCLSF SGVKEREWQM ESLIRYIKVI GGPAGREGLL VGLKNGQILK IFVDNLFAIV LLKQATAVRC LDMSASRNKL AVVDENDTCL VYDIHTKELL FQEPNANSVA WNTQCEDMLC FSGGGYLNK ASTFPVHQK LQGFVWGYNG SKIFCLHVFS MSAVEVPQSA PMYQYLDRKM FKEAYQIACL GVTADWREL AMEALEGLEF ETARKAFTRV QDLRYLELIS SIEERKKRGE TNNDLFLADV FSYQGFHEA AKLYKRSGHE NLALDMYTDL CMFEYAKDFL GSGDPKETKM LITQADWAR NINEPKAAVE MYISAGEHAK

Product Details

AIEISGSHGW VDMLIDIARK LDKAEREPLL MCACYFKKLD SPGYAAETYL KIGDLKSLVQ
LYVDTKRWDE AFALGEEKHPE FKDDVYVPYA QWLAENDRFE EAQKAFHKAG RQGEAVRVLE
QLTHNAVVES RFNDAAYYYW MLSMQCLDMA QDPAQKDAML DKFHFFQHLA ELYHGYQTIH
RYTEEPFSFD LPETLFNISK FLLHSLTKAT PLGISKVNTL FTLAKQSKAL GAYKLARHAY
DKLRGLQIPA RIQKSIELGT LTIRSKPFHD SEELVPLCYR CSTNNPLLNN LGNVCINCRQ
PFIFSASSYE VLHLVEFYLE EGITDEEAVA LIDLEAPRHK REGKWRETSS NNSQTLKLDE
TMDSIGEDDP FTAKLSFEQG SSEFVPVVVN RSVLRMSRR DVLIKRWPPP LQWQYFRSLL
PDASITMCPS CFQMFHSEDY ELLVLQHACC PYCRRRIDDT GP **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: IFT122

Alternative Name: Ift122 ([IFT122 Products](#))

Target Details

Background: Intraflagellar transport protein 122 homolog (WD repeat-containing protein 10),FUNCTION: As a 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), it is required in ciliogenesis and ciliary protein trafficking (By similarity). Involved in cilia formation during neuronal patterning. Acts as a negative regulator of Shh signaling. Required to recruit TULP3 to primary cilia (PubMed:19000668, PubMed:21209331). {ECO:0000250|UniProtKB:Q9HBG6, ECO:0000269|PubMed:19000668, ECO:0000269|PubMed:21209331}.

Molecular Weight: 134.8 kDa

UniProt: [Q6NWX3](#)

Pathways: [Tube Formation](#), [Embryonic Body Morphogenesis](#)

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