Datasheet for ABIN7548548

IFT74 Protein (AA 1-600) (His tag)

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Overview

Quantity:	1 mg
Target:	IFT74
Protein Characteristics:	AA 1-600
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFT74 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat IFT74 Protein expressed in mammalien cells.
Sequence:	MASNHKSSAA RPVSRGGVGL TGRPPSGIRP LSGNIRVATA MPPGTARPGS RGCPIGTGGV LSSQIKVAHR PVTQQGLTGM KTGTKGPQRQ ILDKSYYLGL LRSKISELTT EVNKLQKGIE MYNQENSVYL SYEKRAETLA VEIKELQGQL ADYNMLVDKL NTNTEMEEVM NDYNMLKAQN DRETQSLDVI FTERQAKEKQ IRSVEEEIEQ EKQATDDIIK NMSFENQVKY LEMKTTNEKL LQELDTLQQQ LDSQNMKKES LEAEIAHSQV KQEAVLLHEK LYELESHRDQ MIAEDKSIGS PMEEREKLLK QIKDDNQEIA SMERQLTDTK EKINQFIEEI RQLDMDLEEH QGEMNQKYKE LKKREEHMDT FIETFEETKN QELKRKAQIE ANIVALLEHC SRNINRIEQI SSITNQELKM MQDDLNFKST EVQKSQSTAQ NLTSDIQRLQ LDLQKMELLE SKMTEEQHSL KSKIKQMTTD LEIYNDLPAL KSSGEEKIKK LHQERMILST HRNAFKKIME KQNIEYEALK TQLQENETHS QLTNLERKWQ HLEQNNFAMK EFIATKSQES DYQPIKKNVT KQIAEYNKTI VDALHSTSGN **Sequence without tag. The proposed Purification-Tag is based on experiences with the**

Product Details

	expression system, a different complexity of the protein could make another tag necessary. **In case you have a special request, please contact us.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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, Western Blot
Grade:	custom-made

Target Details

Target:	IFT74
Alternative Name:	IFT74 (IFT74 Products)
Background:	Intraflagellar transport protein 74 homolog (Capillary morphogenesis gene 1 protein) (CMG-1) (Coiled-coil domain-containing protein 2),FUNCTION: Component of the intraflagellar transport (IFT) complex B: together with IFT81, forms a tubulin-binding module that specifically mediates transport of tubulin within the cilium (PubMed:23990561). Binds beta-tubulin via its basic region (PubMed:23990561). Required for ciliogenesis (PubMed:23990561). Essential for flagellogenesis during spermatogenesis (PubMed:33689014). {ECO:0000269|PubMed:23990561, ECO:0000269|PubMed:33689014}.
Molecular Weight:	69.2 kDa
UniProt:	Q96LB3
Pathways:	Hedgehog Signaling, Chromatin Binding

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. 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

