

Datasheet for ABIN7558722  
**IFT74 Protein (AA 1-600) (His tag)**



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## Overview

Quantity:	1 mg
Target:	IFT74
Protein Characteristics:	AA 1-600
Origin:	Mouse
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 mammalian cells.
Sequence:	MASNHKSSAP RPISRGGIGL TGRPPSGIRP PSGNVRVATA MPPTARPGS RGGPLGTGGV LSSQIKVADR PVTQQGLSGM KTGMKGPQRQ ILDKSYLGL LRSKISELTT EINKLQKEIE MYNQENSVYL SYEKRAETLA VEIKDFQGQL ADYNMLVDKL NTNTEMEEVMSDYNMLKAQN DRETQSMDVI FTERQAKEKQ IRSEVEEVEQ EKQAADGIIK NMSPEKQVKY IEMKTTNEKL LQELDTLQQQ LDSLNMKKES LETEIAHSQV KQEAVLLYEK LYELESHRDQ MIAEDKSMGS PMEERERLLK QVKEDNQEIA SMERQLTDIK EKINQFSEEI RQLDMDLEE H QGEMNQKYKE LKKREENMDA FIETFEETKN QELERKAQIE ASIITLLEHC SRNINRMKQI SSITNQELKM MQDDLSFKST EMQKSQTTAR NLTSDSQRLQ LDLQKMELLE SKMTEEQQL KNIKQMTAD LETYSDLAAL KSSAEKKKK LHQERTVLST HRNAFKKIME KLTSDYDTLK RQLQDNETHA QLTNLERKWQ HLEQNNFVMK EFIATKSQES DYQPVKNVM KQIAEYNKTI MDALHNASRS <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the</b>

## Product Details

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**expression system, a different complexity of the protein could make another tag necessary.**

**In case you have a special request, please contact us.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

IFT74

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### Alternative Name:

Ift74 ([IFT74 Products](#))

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### 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. Binds beta-tubulin via its basic region. Required for ciliogenesis (By similarity). Essential for flagellogenesis during spermatogenesis (PubMed:31004481). {ECO:0000250|UniProtKB:Q96LB3, ECO:0000269|PubMed:31004481}.

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### Molecular Weight:

69.3 kDa

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### UniProt:

[Q8BKE9](#)

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### Pathways:

[Hedgehog Signaling](#), [Chromatin Binding](#)

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## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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