

Datasheet for ABIN7558998

IFT57 Protein (AA 1-429) (His tag)



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Overview

Quantity:	1 mg
Target:	IFT57
Protein Characteristics:	AA 1-429
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IFT57 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ift57 Protein expressed in mammalian cells.
Sequence:	<p>MAAAAVIPP SGLDDGVSR RGEAGEAVV ERGPGAAHYM FVMEDLVEK LKLLRYEEEL</p> <p>LRKSNLKPPS RHYFALPTNP GEQFYMFCTL AAWLINKTGR AFEQPQEYDD PNATISNILS</p> <p>ELRSFGRTAD FPPSKLKSGY GEQVCYVLDC LAEEALKYIG FTWKRPSPV EEELEETVPE</p> <p>DDAELTLKV DEEFVEEETD NEENFIDLV LKAQTYRLDT NESAKQEDIL ESTTDAAEWS</p> <p>LEVERVLPQL KVTIRTDNKD WRIHVDQMHQ HKSGIESALK ETKGFLDKLH NEISRTLEKI</p> <p>GSREKYINNQ LEHLVQEYRG AQAQLSEARE RYQQGNGGVT ETRLLSEVT EELEKVQEM</p> <p>EEKGSSMTDG TPLVKIKQSL TKLKQETVQM DIRIGVVEHT LLQSKLKEKC NMTRDMHAAV</p> <p>TPESAIGFY 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.</p>
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.

Product Details

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)
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Grade:	custom-made
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Target Details

Target:	IFT57
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Alternative Name:	Ift57 (IFT57 Products)
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Background:	Intraflagellar transport protein 57 homolog (HIP1-interacting protein),FUNCTION: Required for the formation of cilia. Plays an indirect role in sonic hedgehog signaling, cilia being required for all activity of the hedgehog pathway. Has pro-apoptotic function via its interaction with HIP1, leading to recruit caspase-8 (CASP8) and trigger apoptosis. Has the ability to bind DNA sequence motif 5'-AAAGACATG-3' present in the promoter of caspase genes such as CASP1, CASP8 and CASP10, suggesting that it may act as a transcription regulator, however the relevance of such function remains unclear. {ECO:0000269 PubMed:17027958}.
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Molecular Weight:	48.8 kDa
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UniProt:	Q8BXG3
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Pathways:	Hedgehog Signaling , Positive Regulation of Endopeptidase Activity
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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