

Datasheet for ABIN7548473
IFT57 Protein (AA 1-429) (His tag)



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Overview

Quantity:	1 mg
Target:	IFT57
Protein Characteristics:	AA 1-429
Origin:	Human
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>MTAALAVVTT SGLEDGVPRS RGE GTGEVL ERGPGAAYHM FVMEDLVEK LKLLRYEEEF</p> <p>LRKSNLKAPS RHYFALPTNP GEQFYMFCTL AAWLINKAGR PFEQPQEYDD PNATISNILS</p> <p>ELRSFGRTAD FPPSKLKSGY GEHVCYVLDC FAEEALKYIG FTWKRPIYPV EEEEEESVAE</p> <p>DDAELTLNKV DEEFVEEETD NEENFIDLNV LKAQTYHLDM NETAKQEDIL ESTTDAAEWS</p> <p>LEVERVLPQL KVTIRTDNKD WRIHVDQMHQ HRSGIESALK ETKGFLDKLH NEITRTLEKI</p> <p>SSREKYINNQ LENLVQEYRA AQAQLSEAKE RYQQGNGGVT ETRLLSEVM EELEKVKQEM</p> <p>EEKGSSMTDG APLVKIKQSL TKLKQETVEM DIRIGIVEHT LLQSKLKEKS NMTRNMHATV</p> <p>IPEPATGFY 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:	<div>Key Benefits:</div> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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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:	<p>Intraflagellar transport protein 57 homolog (Dermal papilla-derived protein 8) (Estrogen-related receptor beta-like protein 1) (HIP1-interacting protein) (MHS4R2),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 (By similarity). 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:0000250, ECO:0000269 PubMed:11788820, ECO:0000269 PubMed:17107665, ECO:0000269 PubMed:17623017}.</p>
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Molecular Weight:	49.1 kDa
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UniProt:	Q9NWB7
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Target Details

Pathways: [Hedgehog Signaling](#), [Positive Regulation of Endopeptidase Activity](#)

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