

Product datasheet for TP304116M

HIPPI (IFT57) (NM_018010) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human intraflagellar transport 57 homolog (Chlamydomonas) (IFT57), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204116 protein sequence Red=Cloning site Green=Tags(s)

MTAALAVVTTSGLEDGVPRSRGEGTGEVLERGPGAAYHMFVVMEDLVEKLLRYYYYEFLRKSNLKAPS
RHYFALPTNPGEQFYMFCTLAAWLINKAGRPFEQPQEYDDPNATISNILSELRSFGRTADFPSPKLSGY
GEHVCYVLDCAEEALKYIGFTWKRPIYPVEELEEESVAEDDAELTLNKVDEEFVEEETDNEENFIDLNV
LKAQTYHLDMMNETAKQEDILESTTDAEWSLEVERVLPQLKVTIRTDNKDWRIHVDQMHQHRSGIESALK
ETKGFLDKLNHNEITRTLEKISSREKYINNQLLENLVQEYRAAQAQLSEAKERYQQGGVTERTRLLSEVM
EELEKVKQEMEEKGSSMTDGAFLVKIKQSLTKLKQETVEMDIRIGIVEHTLLQSKLKEKSNMTRNMHATV
IPEPATGFY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	48.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_060480](#)

Locus ID: 55081

UniProt ID: [Q9NWB7](#)

RefSeq Size: 3223

Cytogenetics: 3q13.12-q13.13

RefSeq ORF: 1287

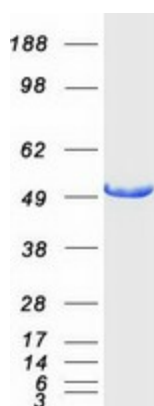
Synonyms: ESRRBL1; HIPPI; MHS4R2; OFD18

Summary: 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. [UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Protein Pathways: Huntington's disease

Product images:



Coomassie blue staining of purified IFT57 protein (Cat# [TP304116]). The protein was produced from HEK293T cells transfected with IFT57 cDNA clone (Cat# [RC204116]) using MegaTran 2.0 (Cat# [TT210002]).