

Product datasheet for PH304116

HIPPI (IFT57) (NM_018010) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	IFT57 MS Standard C13 and N15-labeled recombinant protein (NP_060480)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204116
Predicted MW:	49.1 kDa
Protein Sequence:	>RC204116 protein sequence Red=Cloning site Green=Tags(s)

MTAALAVVTTSGLEDGVPVRSRGEGTGEVVLERGPAAAYHMFVVMEDLVEKLLRYEEEEFLRKSNLKAPS
RHYFALPTNPGEQFYMFCTLAAWLINKAGRPFEQPQEYDDPNATISNILSELRSFGRTADFPKSKLKS
GEHVICYVLDCAEEALKYIGFTWKRPIYPVEELEEESVAEDDAELTLNKVDEEFVEEETDNEENFIDLNV
LKAQTYHLDMNETAKQEDILESTTDAAEWSLEVERVLPQLKVTIRTDNKDWRIHVDQMHQHRSGIESALK
ETKGFLDKLHNEITRTLEKISSREKYINNQLLENLVQEYRAAQAQLSEAKERYQQGNGGVTERTRLLSEVM
EELKVKQEMEEKGSSMTDGAPLVKIKQSLTKLKQETVEMDIRIGIVEHTLLQSKLKEKSNMTRNMHATV
IPEPATGFY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_060480</u>
RefSeq Size:	3223
RefSeq ORF:	1287
Synonyms:	ESRRBL1; HIPPI; MHS4R2; OFD18



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Locus ID: 55081

UniProt ID: [Q9NWB7](#)

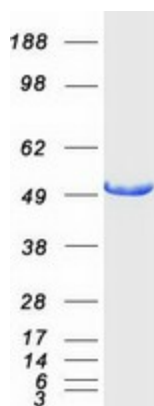
Cytogenetics: 3q13.12-q13.13

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]).