

Recombinant Human IFT57 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. IFT57-965H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IFT57 MS Standard C13 and N15-labeled recombinant protein (NP_060480) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	49.1 kDa
AA Sequence	MTAALAVVTTSGLEDGVPRSRGEGTGEVVLERGPAAHYHMFVVMEDLVEKLKLLRY EEEFRLRKSNLKAPSRHYFALPTNPGEQFYMFCTLAAWLINKAGRPFEQPQEYDDPN ATISNILSELRSFGRTADFPSPKLGSGYGEHVVCYVLDCFAEEALKYIGFTWKRPIYPV EELEEEESVAEDDAELTLNKVDEEFVEEETDNEENFIDLNLKAQTYHLDMMNETAKQE DILESTTDAAEWSLEVERVLPQLKVTIRTDNKDWRIHVDQMHQHRSGIESALKETKG FLDKLHNEITRTLEKISSREKYINNQLNVLVQEYRAAQAQLSEAKERYQQGNGGVTE

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RTRLLSEVMEELEKVKQEMEEKGSSMTDGAPLVKIKQSLTKLKQETVEMDIRIGIVEH
TLLQSKLKEKSNMTRNMHATVIPEPATGFYTRTRPLEQKLISEEDLAANDILDYKDDD
DKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name IFT57 intraflagellar transport 57 [*Homo sapiens* (human)]

Official Symbol IFT57

Synonyms IFT57; intraflagellar transport 57 homolog (*Chlamydomonas*); ESRRBL1, estrogen related receptor beta like 1; intraflagellar transport protein 57 homolog; FLJ10147; HIPPI; MHS4R2; HIP1 protein interactor; HIP1-interacting protein; dermal papilla-derived protein 8; estrogen-related receptor beta like 1; estrogen-related receptor beta-like protein 1; huntingtin interacting protein-1 interacting protein; ESRRBL1;

Gene ID 55081

mRNA Refseq NM_018010

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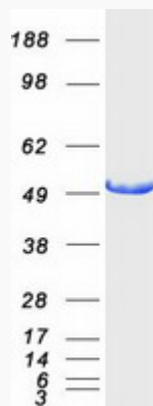
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Protein Refseq NP_060480

MIM 606621

UniProt ID Q9NWB7

SDS-PAGE



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