

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

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | IFT57 MS Standard C13 and N15-labeled recombinant protein (NP_060480) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | 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. |
| <b>Molecular Mass</b>   | 49.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | MTAALAVVTTSGLEDGVPRSRGEGTGEVVLERGPGAAYHMFVVMEDLVEKLKLLRY<br>EEEF LRKSNLKAPSRHYFALPTNPGEQFYMFCTLAAWLINKAGRPFEQPQEYDDPN<br>ATISNILSELRSFGRTADFPSPKLGSGYGEHVCYVLDCFAEEALKYIGFTWKRPIYPV<br>EELEEEESVAEDDAELTLNKVDEEFVEEETDNEENFIDLNLKAQTYHLDMMNETAKQE<br>DILESTTDAAEWSLEVERVLPQLKVTIRTDNKDWRIHVDQMHQHRSGIESALKETKG<br>FLDKLHNEITRTLEKISSREKYINNQLNVLVQEYRAAQAQLSEAKERYQQGNGGVTE                                                                                                                                                         |

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 45-1 Ramsey Road, Shirley, NY 11967, USA

RTRLLESEVMEELEKVKQEMEEKGSSMTDGAPLVKIKQSLTKLKQETVEMDIRIGIVEH  
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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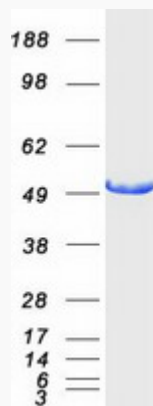
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**Protein Refseq** NP\_060480

**MIM** 606621

**UniProt ID** Q9NWB7

**SDS-PAGE**



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