

Recombinant Mouse Ift57 Protein, Myc/DDK-tagged

Cat. No. Ift57-3487M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length intraflagellar transport 57 (Ift57), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
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	48.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Ift57 intraflagellar transport 57 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Ift57](#)

Synonyms IFT57; intraflagellar transport 57 homolog (Chlamydomonas); intraflagellar transport protein 57 homolog; HIP1-interacting protein; estrogen-related receptor beta like 1; Vestrogen-related receptor beta like 1; huntingtin-interacting protein-1 protein interactor; Hipp1; MHS4R2; Esrrb1; 4833420A15Rik

Gene ID [73916](#)

mRNA Refseq [NM_028680](#)

Protein Refseq [NP_082956](#)

UniProt ID [Q8BXG3](#)

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