

## Recombinant Mouse Ift57 Protein, Myc/DDK-tagged

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

### SPECIFICATION

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

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

**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; Hippj; MHS4R2; Esrrbl1; 4833420A15Rik

**Gene ID** [73916](#)

**mRNA Refseq** [NM\\_028680](#)

**Protein Refseq** [NP\\_082956](#)

**UniProt ID** [Q8BXG3](#)

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