

Recombinant Mouse Ift20 Protein, Myc/DDK-tagged

Cat. No. Ift20-3482M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length intraflagellar transport 20 homolog (Chlamydomonas) (cDNA clone MGC:6005 IMAGE:3590790), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Part of intraflagellar transport (IFT) particles involved in ciliary process assembly. May play a role in the trafficking of ciliary membrane proteins from the Golgi complex to the cilium. Regulates the ciliary platelet-derived growth factor receptor-alpha (PDGFRA) signaling pathway. Required for protein stability of E3 ubiquitin ligases CBL and CBLB that mediate ubiquitination and internalization of PDGFRA for proper feedback inhibition of PDGFRA signaling. Essential for male fertility. Plays an important role in spermatogenesis, particularly spermiogenesis, when germ cells form flagella. May play a role in the transport of flagellar proteins ODF2 and SPAG16 to build sperm flagella and in the removal of redundant sperm cytoplasm. Also involved in autophagy since it is required for trafficking of ATG16L and the expansion of the autophagic compartment.
Molecular Mass	12 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

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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

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

GENE INFORMATION

Gene Name [Ift20 intraflagellar transport 20 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Ift20](#)

Synonyms Ift20; intraflagellar transport 20; mIFT20; AU015496; 0610009H04Rik; intraflagellar transport protein 20 homolog; intraflagellar transport 20 homolog; uterine protein

Gene ID [55978](#)

mRNA Refseq [NM_018854](#)

Protein Refseq [NP_061342](#)

UniProt ID [Q61025](#)

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