Recombinant Mouse Ift27 Protein, Myc/DDK-tagged

Cat. No. Ift27-3484M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length intraflagellar transport 27 (Ift27), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Small GTPase-like component of the intraflagellar transport (IFT) complex B that promotes the exit of the BBSome complex from cilia via its interaction with ARL6. Not involved in entry of the BBSome complex into cilium. Prevents aggregation of GTP-free ARL6. Required for hedgehog signaling. Forms a subcomplex within the IFT complex B with IFT25. Its role in intraflagellar transport is mainly seen in tissues rich in ciliated cells such as kidney and testis. Essential for male fertility, spermiogenesis and sperm flagella formation. Plays a role in the early development of the kidney. May be involved in the regulation of ureteric bud initiation.
Molecular Mass	20.8 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.

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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	Ift27 intraflagellar transport 27 [Mus musculus (house mouse)]
Official Symbol	Ift27
Synonyms	IFT27; intraflagellar transport 27 homolog (Chlamydomonas); intraflagellar transport protein 27 homolog; rab-like protein 4; RAB, member of RAS oncogene family-like 4; Rabl4; 2600013G09Rik
Gene ID	67042
mRNA Refseq	NM_025931
Protein Refseq	NP_080207
UniProt ID	Q9D0P8

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