

Product datasheet for TP501739

Ift27 (NM_025931) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse intraflagellar transport 27 (Ift27), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201739 protein sequence Red =Cloning site Green =Tags(s)
	 MVKLAAKCILAGDPAVGKTALVQMFRSDGTHFQKNYLTGGVLDLVVKTVPVLDTNDVSELVFIFDSAGKEL FSEMLDKLWENPNVLCVYDVTNEQSFISCTKWLEKVRSTSGISLPGVLVGTKTDLAGRQTVDSAQAQV WALSQGLEFFETSVKEMDNYEAPFHCLAKQFYQLYREKVDIFHTLV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	20.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_080207</u>
Locus ID:	67042
UniProt ID:	<u>Q9D0P8</u>
RefSeq Size:	1050
Cytogenetics:	15 E1



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RefSeq ORF: 561

Synonyms: 2600013G09Rik; Rabl4

Summary: 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 (PubMed:25446516). Not involved in entry of the BBSome complex into cilium. Prevents aggregation of GTP-free ARL6. Required for hedgehog signaling (PubMed:25446516). Forms a subcomplex within the IFT complex B with IFT25 (By similarity). 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 (PubMed:28964737). Plays a role in the early development of the kidney (PubMed:29626631). May be involved in the regulation of ureteric bud initiation (PubMed:29626631).[UniProtKB/Swiss-Prot Function]