Recombinant Mouse Vps4b Protein, Myc/DDK-tagged

Cat. No. Vps4b-6944M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse vacuolar protein sorting 4B (Vps4b), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Involved in late steps of the endosomal multivesicular bodies (MVB) pathway. Recognizes membrane-associated ESCRT-III assemblies and catalyzes their disassembly, possibly in combination with membrane fission. Redistributes the ESCRT-III components to the cytoplasm for further rounds of MVB sorting. MVBs contain intraluminal vesicles (ILVs) that are generated by invagination and scission from the limiting membrane of the endosome and mostly are delivered to lysosomes enabling degradation of membrane proteins, such as stimulated growth factor receptors, lysosomal enzymes and lipids. In conjunction with the ESCRT machinery also appears to function in topologically equivalent membrane fission events, such as the terminal stages of cytokinesis. VPS4A/B are required for the exosomal release of SDCBP, CD63 and syndecan.
Molecular Mass	49.4 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.

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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	Vps4b vacuolar protein sorting 4B [Mus musculus (house mouse)]
Official Symbol	Vps4b
Synonyms	VPS4B; vacuolar protein sorting 4b (yeast); vacuolar protein sorting-associated protein 4B; suppressor of K+ transport defect 1; suppressor of K(+) transport growth defect 1; Skd1; 8030489C12Rik
Gene ID	20479
mRNA Refseq	NM_009190
Protein Refseq	NP_033216
UniProt ID	P46467

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