

Recombinant Mouse Vps11 Protein, Myc/DDK-tagged

Cat. No. Vps11-6930M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse VPS11, CORVET/HOPS core subunit (Vps11), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	<p>Plays a role in vesicle-mediated protein trafficking to lysosomal compartments including the endocytic membrane transport and autophagic pathways. Believed to act as a core component of the putative HOPS and CORVET endosomal tethering complexes which are proposed to be involved in the Rab5-to-Rab7 endosome conversion probably implicating MON1A/B, and via binding SNAREs and SNARE complexes to mediate tethering and docking events during SNARE-mediated membrane fusion. The HOPS complex is proposed to be recruited to Rab7 on the late endosomal membrane and to regulate late endocytic, phagocytic and autophagic traffic towards lysosomes. The CORVET complex is proposed to function as a Rab5 effector to mediate early endosome fusion probably in specific endosome subpopulations. Required for fusion of endosomes and autophagosomes with lysosomes. Involved in cargo transport from early to late endosomes and required for the transition from early to late endosomes.</p>
Molecular Mass	108.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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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.
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	Vps11 VPS11, CORVET/HOPS core subunit [<i>Mus musculus</i> (house mouse)]
Official Symbol	Vps11
Synonyms	VPS11; vacuolar protein sorting 11 (yeast); vacuolar protein sorting-associated protein 11 homolog; 1200011A11Rik
Gene ID	71732
mRNA Refseq	NM_027889
Protein Refseq	NP_082165
UniProt ID	Q91W86

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