Recombinant Mouse Vps36 Protein, Myc/DDK-tagged

Cat. No. Vps36-6939M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse vacuolar protein sorting 36 (Vps36), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Component of the ESCRT-II complex (endosomal sorting complex required for transport II), which is required for multivesicular body (MVB) formation and sorting of endosomal cargo proteins into MVBs. The MVB pathway mediates delivery of transmembrane proteins into the lumen of the lysosome for degradation. The ESCRT-II complex is probably involved in the recruitment of the ESCRT-III complex. Its ability to bind ubiquitin probably plays a role in endosomal sorting of ubiquitinated cargo proteins by ESCRT complexes. The ESCRT-II complex may also play a role in transcription regulation, possibly via its interaction with ELL. Binds phosphoinosides such as PtdIns(3,4,5)P3.
Molecular Mass	43.7 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	Vps36 vacuolar protein sorting 36 [Mus musculus (house mouse)]
Official Symbol	Vps36
Synonyms	VPS36; vacuolar protein sorting 36 (yeast); vacuolar protein-sorting-associated protein 36; ESCRT-II complex subunit VPS36; Eap45; 1700010A24Rik; 2210415M20Rik; 2810408E15Rik
Gene ID	70160
mRNA Refseq	NM_027338
Protein Refseq	NP_081614
UniProt ID	Q91XD6

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