

Recombinant Mouse Vps53 Protein, Myc/DDK-tagged

Cat. No. Vps53-6945M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse vacuolar protein sorting 53 (yeast) (cDNA clone MGC:19253 IMAGE:3964008), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts as component of the GARP complex that is involved in retrograde transport from early and late endosomes to the trans-Golgi network (TGN). The GARP complex is required for the maintenance of the cycling of mannose 6-phosphate receptors between the TGN and endosomes, this cycling is necessary for proper lysosomal sorting of acid hydrolases such as CTSD. Acts as component of the EARP complex that is involved in endocytic recycling. The EARP complex associates with Rab4-positive endosomes and promotes recycling of internalized transferrin receptor (TFRC) to the plasma membrane.
Molecular Mass	73.7 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 Vps53 VPS53 GARP complex subunit [*Mus musculus* (house mouse)]

Official Symbol Vps53

Synonyms Vps53; VPS53 GARP complex subunit; Hccs1; 2010002A08Rik; 2310040I21Rik; 3100002B05Rik; vacuolar protein sorting-associated protein 53 homolog

Gene ID 68299

mRNA Refseq NM_026664

Protein Refseq NP_080940

UniProt ID Q8CCB4

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