

Recombinant Mouse Vac14 Protein, Myc/DDK-tagged

Cat. No. Vac14-6890M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length Vac14 homolog (<i>S. cerevisiae</i>) (Vac14), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The PI(3,5)P2 regulatory complex regulates both the synthesis and turnover of phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2). Acts as a positive activator of PIKfyve kinase activity. Also required to maintain normal levels of phosphatidylinositol 3-phosphate (PtdIns3P) and phosphatidylinositol 5-phosphate (PtdIns5P). Plays a role in the biogenesis of endosome carrier vesicles (ECV) / multivesicular bodies (MVB) transport intermediates from early endosomes.
Molecular Mass	88.5 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.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Vac14 Vac14 homolog (*S. cerevisiae*) [*Mus musculus* (house mouse)]

Official Symbol Vac14

Synonyms VAC14; Vac14 homolog (*S. cerevisiae*); protein VAC14 homolog; vacuole morphology 14; Tax1 (human T-cell leukemia virus type I) binding protein 1; Tax1 (human T-cell leukemia virus type I) binding protein 2; Trx; ingls; Tax1bp2; AA959718; BC032215; D8Wsu151e; MGC38230

Gene ID 234729

mRNA Refseq NM_146216

Protein Refseq NP_666328

UniProt ID Q80WQ2

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