

Recombinant Mouse Pi4k2a Protein, Myc/DDK-tagged

Cat. No. Pi4k2a-4848M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length phosphatidylinositol 4-kinase type 2 alpha (cDNA clone MGC:37783 IMAGE:5097465), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Membrane-bound phosphatidylinositol-4 kinase (PI4-kinase) that catalyzes the phosphorylation of phosphatidylinositol (PI) to phosphatidylinositol 4-phosphate (PI4P), a lipid that plays important roles in endocytosis, Golgi function, protein sorting and membrane trafficking and is required for prolonged survival of neurons. Besides, phosphorylation of phosphatidylinositol (PI) to phosphatidylinositol 4-phosphate (PI4P) is the first committed step in the generation of phosphatidylinositol 4,5-bisphosphate (PIP2), a precursor of the second messenger inositol 1,4,5-trisphosphate (InsP3).
Molecular Mass	71.8 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 Pi4k2a phosphatidylinositol 4-kinase type 2 alpha [Mus musculus (house mouse)]

Official Symbol Pi4k2a

Synonyms Pi4k2a; phosphatidylinositol 4-kinase type 2 alpha; Pi4k2; phosphatidylinositol 4-kinase type 2-alpha; phosphatidylinositol 4-kinase type II-alpha; EC 2.7.1.67

Gene ID 84095

mRNA Refseq NM_145501

Protein Refseq NP_663476

UniProt ID Q2TBE6

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