

Recombinant Mouse Pi4kb Protein, MYC/DDK-tagged

Cat. No. Pi4kb-336M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse phosphatidylinositol 4-kinase beta (Pi4kb), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Phosphorylates phosphatidylinositol (PI) in the first committed step in the production of the second messenger inositol-1,4,5,-trisphosphate (PIP). May regulate Golgi disintegration/reorganization during mitosis, possibly via its phosphorylation. Involved in Golgi-to-plasma membrane trafficking.
Molecular Mass	89.9 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 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Pi4kb phosphatidylinositol 4-kinase beta [Mus musculus (house mouse)]
Official Symbol	Pi4kb
Synonyms	Pi4kb; phosphatidylinositol 4-kinase beta; ESTM41; Pik4cb; PI4Kbeta; PI4K-beta; phosphatidylinositol 4-kinase beta; phosphatidylinositol 4-kinase, catalytic, beta polypeptide; ptdIns 4-kinase beta; EC 2.7.1.67
Gene ID	107650
mRNA Refseq	NM_175356
Protein Refseq	NP_780565
UniProt ID	Q8BKC8

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