Recombinant Mouse Phosphatidylinositol 5-phosphate 4-kinase type-2 alpha (Pip4k2a)

Product Code	CSB-YP018022MO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O70172
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	ATPGNLGSS VLASKTKTKK KHFVAQKVKL FRASDPLLSV LMWGVNHSIN ELSHVQIPVM LMPDDFKAYS KIKVDNHLFN KENMPSHFKF KEYCPMVFRN LRERFGIDDQ DFQNSLTRSA PLPNDSQARS GARFHTSYDK RYVIKTITSE DVAEMHNILK KYHQYIVECH GVTLLPQFLG MYRLNVDGVE IYVIVTRNVF SHRLSVYRKY DLKGSTVARE ASDKEKAKEL PTLKDNDFIN EGQKIYIDDN NKKIFLEKLK KDVEFLAQLK LMDYSLLVGI HDVERAEQEE VECEENDGEE EGESDSTHPI GTPPDSPGNT LNSSPPLAPG EFDPNIDVYA IKCHENAPRK EVYFMAIIDI LTHYDAKKKA AHAAKTVKHG AGAEISTVNP EQYSKRFLDF IGHIL	
Source	Yeast
Target Names	Pip4k2a
Protein Names	Recommended name: Phosphatidylinositol 5-phosphate 4-kinase type-2 alpha EC= 2.7.1.149 Alternative name(s): 1-phosphatidylinositol 5-phosphate 4-kinase 2-alpha Diphosphoinositide kinase 2-alpha Phosphatidylinositol 5-phosphate 4-kin
Expression Region	2-405
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	Phosphatidylinositol-5,4-bisphosphate, the precursor to second messengers of the phosphoinositide signal transduction pathways, is thought to be involved in the regulation of secretion, cell proliferation, differentiation, and motility. This protein is one of a family of enzymes capable of catalyzing the phosphorylation of phosphatidylinositol-5-phosphate on the fourth hydroxyl of the myo-inositol ring to form phosphatidylinositol-5,4-bisphosphate. The amino acid sequence of this enzyme does not show homology to other kinases, but the recombinant protein does exhibit kinase activity. This gene is a member of the phosphatidylinositol-5-phosphate 4-kinase family.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a

	concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.