



Recombinant Human Phosphatidylinositol 5-phosphate 4-kinase type-2 alpha (PIP4K2A)

Product Code	CSB-MP018022HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P48426
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	ATPGNLGSS VLASKTKTKK KHVFAQKVKL FRASDPLLSV LMWGVNHSIN ELSHVQIPVM LMPDDFKAYS KIKVDNHLFN KENMPSHFKF KEYCPMVFRN LRERFGIDDQ DFQNSLTRSA PLPNDSQARS GARFHTSYDK RYIIKITITSE DVAEMHNILK KYHQYIVECH GITLLPQFLG MYRLNVDGVE IYVIVTRNVF SHRLSVYRKY DLKGSTVARE ASDKEKAKEL PTLKDNDFIN EGQKIYIDDN NKKVFLEKLK KDVEFLAQLK LMDYSLLVGI HDVERAEQEE VECEENDGEE EGESDGTHPV GTPPDSPGNT LNSSPPLAPG EFDPNIDVYG IKCHENSPRK EVYFMAIDI LTHYDAKKA AHAAKTVKHG AGAEISTVNP EQYSKRFLDF IGHILT
Source	Mammalian cell
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 PIP5KIII Phosphatidylinositol 5-ph
Expression Region	2-406
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.