



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

<b>Product Code</b>	CSB-EP889922RA
<b>Abbreviation</b>	Pip4k2a
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9R0I8
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	ATPSNLGSS VLASKTKTKK KHFAQKVKL FRASDPLLSV LMWGVNHSIN ELSHVQIPVM LMPDDFKAYS KIKVDNHLFN KENMPSHFKF KEYCPMVFRN LRERFGIDDQ DFQNSLTRSA PLPNDSQARS GARFHTSYDK RYVIKTITSE DVAEMHNILK KYHQYIVECH GVTLLPQFLG MYRLNVDGVE IYVIVTRNVF SHRLSVYRKY DLKGSTVARE ASDKEKAKEL PTLKDNDFIN EGQKIYIDDS NKKIFLEKLK KDVEFLAQLK LMDYSLLVGI HDVERAEQEE VECEENEGEE EGESDGAHPI GTPPDSPGNT LNSSPPLAPG EFDPNIDVYA IKCHENAPRK EVYFMAIID I LTHYDAKKKA AHAAKTVKHG AGAEISTVNP EQYSKRFLDF IGHILT
<b>Source</b>	E.coli
<b>Target Names</b>	Pip4k2a
<b>Protein Names</b>	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 PIPK2 alpha Phosphatidylinositol 5
<b>Expression Region</b>	2-406
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.

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**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.

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**Shelf Life**

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