



Recombinant Rat Phosphatidylinositol 5-phosphate 4-kinase type-2 beta (Pip4k2b)

Product Code	CSB-EP018023RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O88377
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MSSNCTSTTA VAVAPLSASK TKTKKKHFVC QKVKLFRASE PILSVLMWGV NHTINELSNV PVPVMLMPDD FKAYSKI KVD NHLFNKENLP SRFKFKEYCP MVFRNLRERF GIDDQDYQNS VTRSAPINS D SQGRCGTRFL TTYDRRFVIK TVSSEDVAEM HNILKKYHQF IVECHGNTLL PQFLGMYRLT VDGVETYMVV TRNVFSHRLT VHRKYDLKGS TVAREASDKE KAKDLPTFKD NDFLNEGQKL RVGEESKKNF LEKLRDVEF LAQLKIMDYS LLVGIHDVDR AEQEETEVED RAEEEECEND GVGGGLLCSY GTPPDSPGNL LSFPRFFGPG EFDPSVDVYA MKSHEAPKK EVYFMAIDI LTPYDAKKKA AHAAKTVKHG AGAEISTVNP EQYSKRFNEF MSNILT
Source	E.coli
Target Names	Pip4k2b
Protein Names	Recommended name: Phosphatidylinositol 5-phosphate 4-kinase type-2 beta EC= 2.7.1.149 Alternative name(s): 1-phosphatidylinositol 5-phosphate 4-kinase 2-beta Diphosphoinositide kinase 2-beta Phosphatidylinositol 5-phosphate 4- kinase
Expression Region	1-416
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 protein
Target Details	This protein catalyzes the phosphorylation of phosphatidylinositol-5-phosphate on the fourth hydroxyl of the myo-inositol ring to form phosphatidylinositol-5,4- bisphosphate. This gene is a member of the phosphatidylinositol-5-phosphate 4- kinase family. The encoded protein sequence does not show similarity to other kinases, but the protein does exhibit kinase activity. Additionally, the encoded protein interacts with p55 TNF receptor.
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 $-20^{\circ}\text{C}/-80^{\circ}\text{C}$. The shelf life of lyophilized form is 12 months at $-20^{\circ}\text{C}/-80^{\circ}\text{C}$.