

## 32-3082: PIP4K2B Recombinant Protein

**Alternative Name :** PI5P4KB, PIP5K2B, PIP5KIIB, PIP5KIIBeta, Phosphatidylinositol 5-phosphate 4-kinase type-2 beta, 1-phosphatidylinositol 5-phosphate 4-kinase 2-beta, Diphosphoinositide kinase 2-beta, Phosphatidylinositol 5-phosphate 4-kinase type II beta, PI(5)P 4-kin

### Description

Source : Escherichia Coli. PIP4K2B Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 439 amino acids (1-416 a.a) and having a molecular mass of 49.8kDa. PIP4K2B is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Phosphatidylinositol-5-Phosphate 4-Kinase, Type II, Beta (PIP4K2B) belongs to the phosphatidylinositol-4-phosphate 5-kinase family. PIP4K2B catalyzes the phosphorylation of phosphatidylinositol-4-phosphate on the 5th hydroxyl of the myo-inositol ring to form phosphatidylinositol-4,5-bisphosphate. PIP4K2B amino acid sequence does not show resemblance to another kinases although PIP4K2B presents kinase activity. PIP4K2B also interacts with p55 TNF receptor.

### Product Info

**Amount :** 10 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

**Content :** PIP4K2B protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SGLVPRGSH MGSMSNCTS TTAVAVAPLS ASKTKTKKKH FVCQKVKLFR ASEPILSVLM WGVNHTINEL SNVPVPMMLM PDDFKAYSKI KVDNHLFNKE NLPSRFKKE YCPMVFRNLR ERFGIDDQDY QNSVTRSAPI NSDSQGRCGT RFLTTYDRRF VIKTVSSEDV AEMHNILKKY HQFIVECHGN TLLPQFLGMY RLTVDGVETY MVVTRNVFSH RLTVHRKYDL KGSTVAREAS DKEKAKDLPT FKDNDFLNEG QKLHVGEESK KNFLEKLRD VEFLAQLKIM DYSLLVGIHD VDRAEQEEME VEERAEEEC ENDGVGGNLL CSYGTPPDSP GNLLSFPRFF GPGEFDPVSD VYAMKSHSS PKKEYVFMAI IDILTPYDTK KKAHAAKTV KHGAGAEIST VNPEQYSKRF NEFMSNILT.

