

**PIP4K2B, 1-416aa Human, His tag, E.coli**

**Cat.NO.: TP03415**

3th Edition

**Synonyms:** Phosphatidylinositol 5-phosphate 4-kinase type-2 beta, PI5P4KB, PIP5K2B, PIP5KIIB, PIP5KIIBeta

**Description:** PIP4K2B catalyzes the phosphorylation of phosphatidylinositol-4-phosphate on the fifth hydroxyl of the myo-inositol ring to form phosphatidylinositol-4,5-bisphosphate. It is a member of the phosphatidylinositol-4-phosphate 5-kinase family. The amino acid sequence of PIP4K2B does not show similarity to other kinases, but the protein does exhibit kinase activity. Additionally, PIP4K2B interacts with p53 TNF receptor. Recombinant human PIP4K2B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

**Molecular Weight:** 49.8 kDa (439aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMSSNCTSTTAVAVAPLSASKTKTKKKHFVCQKVKLFRASEPILSVLMWGVN  
HTINELSNVPVPMMLPDDFKAYSKIKVDNHLFNKENLPSRFKFKKEYCPMVFRNLRERFGIDDQDYQNSVTRSAPIN  
SDSQGRCGTRFLTYYDRRFVIKTVSSEDVAEMHNILKKYHQFIVECHGNTLLPQFLGMYRLTVDGVETVMVTRNV  
FSHRLTVHRKYDLKGSTVAREASDKEKAKDLPTFKDNDNFLNEGQKLHVGEESKKNFLEKLRDVEFLAQLKIMDYS  
LLVGIHDVDRAEQEEMEVEERAEEDECENDGVGGNLLCSYGTTPDSPGNLLSFPRFFGPGFEFDPSVDVYAMKSHE  
SSPKKEVYFMAIIDILTPYDTKKKAAHAAKTVKHGAGAEISTVNPEQYSKRFNEFMSNILT

**Purity:** > 95% by HPLC

**Concentration:** 0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:** <1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.