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**Product Data Sheet**


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Product Name: PIP4K2B Human  
 Cat. No.: GP22587  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	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-kinase type II beta; PIP4KII-beta; PtdIns(5)P-4-kinase isoform 2-beta; PIP4K2B.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMSSNCTS TTAVAVAPLS ASKTKTKKKH FVCQKVKLFR ASEPILSVLM WGVNHTINEL SNVPVPMMLM PDDFKAYSKI KVDNHLFNKE NLPSRFKFKE YCPMVFRNLR ERFGIDDQDY QNSVTRSAPI NSDSQGRCGT RFLTTYDRRF VIKTVSSEDV AEMHNILKKY HQFIVECHGN TLLPQFLGMY RLTVDGVETY MVVTRNVFSH RLTVHRKYDL KGSTVAREAS DKEKAKDLPT FKDNDFLNEG QKLHVGEESK KNFLEKLKRD VEFLAQLKIM DYSLLVGIHD VDRAEQEEME VEERAEEDEC ENDGVGGNLL CSYGTTPDSP GNLLSFPRFF GPGEFDPSVD VYAMKSHSS PKKEVYFMAI IDILTPYDTK KKAHAAKTV KHGAGAEIST VNPEQYSKRF NEFMSNILT.		
Formulation	PIP4K2B protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

**Introduction**

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.

**Stability**

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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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.

### Background

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.

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