

## Recombinant Human PIP4K2B

**Cat. No.** PIP4K2B-30967TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full length human PIP5K2 beta expressed in Baculovirus system; amino acids 1-416, 47kDa.
<b>Species</b>	Human
<b>ProteinLength</b>	1-416 a.a.
<b>Description</b>	The protein encoded by this gene 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.
<b>Tissue specificity</b>	Highly expressed in brain, heart, pancreas, skeletal muscle and kidney. Detected at lower levels in placenta, lung and liver.
<b>Biological activity</b>	PIP4K2B-30967TH contains no detectable protease, DNase and RNase activity.
<b>Form</b>	Liquid
<b>Storage buffer</b>	Preservative: None Constituents: 20% Glycerol, 20mM Tris Cl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8.0
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

**Sequence Similarities** Contains 1 PIPK domain.

**Full Length** Full L.

## GENE INFORMATION

**Gene Name** [PIP4K2B phosphatidylinositol-5-phosphate 4-kinase, type II, beta \[ Homo sapiens \]](#)

**Official Symbol** [PIP4K2B](#)

**Synonyms** PIP4K2B; phosphatidylinositol-5-phosphate 4-kinase, type II, beta; phosphatidylinositol 4 phosphate 5 kinase, type II, beta , PIP5K2B; phosphatidylinositol-5-phosphate 4-kinase type-2 beta; PIP5KIIB; PIP5KIIBeta;

**Gene ID** [8396](#)

**mRNA Refseq** [NM\\_003559](#)

**Protein Refseq** [NP\\_003550](#)

**MIM** [603261](#)

**Uniprot ID** [P78356](#)

**Chromosome Location** 17q21.2

**Pathway** B Cell Receptor Signaling Pathway, organism-specific biosystem; Inositol phosphate metabolism, organism-specific biosystem; Inositol phosphate metabolism, conserved

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biosystem; Phosphatidylinositol signaling system, organism-specific biosystem;  
Phosphatidylinositol signaling system, conserved biosystem;

**Function**

1-phosphatidylinositol-4-phosphate 5-kinase activity; 1-phosphatidylinositol-5-phosphate 4-kinase activity; ATP binding; nucleotide binding; receptor signaling protein activity;

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