

Recombinant Human PIP4K2B

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

SPECIFICATION

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

 Tel: 1-631-559-9269 1-516-512-3133

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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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