

## Recombinant Human PIP5K1B protein, His-tagged

Cat. No. PIP5K1B-1728H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PIP5K1B protein(107-405 aa), fused with N-terminal His tag, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	107-405 aa
<b>Form</b>	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients.
<b>AASequence</b>	SEGSNLTPAHHPDFRDKTYAPLAFRYFRELFGIKPDDYLYSICSEPLIELSNPGASG SLFFVTSDDEFIIKTVQHKEAEFLQKLLPGYYMNLNQNPRLLPKFYGLYCMQSGGIN IRIVVMNNVLPRSMRMHFTYDLKGSTYKRRASRKEREKSNPTFKDLDFLQDMHEGL YFDTETYNALMKTQRDCRVLESFKIMDYSLLLGIHFLDHSLEKEEETPQNVDAKR TGMQKVLSTAMESIQGPGKSGDGIITENPDTMGGIPAKSHRGEKLLLFTGIIDILQSY RLMKKLEHSW
<b>Purity</b>	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid

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repeat freeze-thaw cycles.

**Reconstitution**

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

## GENE INFORMATION

**Gene Name** [PIP5K1B phosphatidylinositol-4-phosphate 5-kinase, type I, beta \[ Homo sapiens \]](#)

**Official Symbol** [PIP5K1B](#)

**Synonyms**

PIP5K1B; phosphatidylinositol-4-phosphate 5-kinase, type I, beta; phosphatidylinositol 4-phosphate 5-kinase type-1 beta; MSS4; STM7; PIP5KIbeta; PIP5K1-beta; protein STM-7; ptdIns(4)P-5-kinase 1 beta; phosphatidylinositol 4-phosphate 5-kinase type I beta; phosphatidylinositol-4-phosphate 5-kinase type-1 beta; type I phosphatidylinositol 4-phosphate 5-kinase beta; type I phosphatidylinositol-4-phosphate 5-kinase beta;

**Gene ID** [8395](#)

**mRNA Refseq** [NM\\_003558](#)

**Protein Refseq** [NP\\_003549](#)

**MIM** [602745](#)

**UniProt ID** [O14986](#)

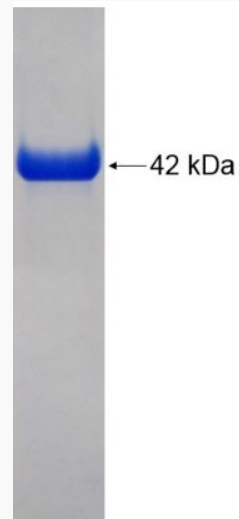
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SDS-PAGE



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