

Recombinant Human PIP5K1B protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human PIP5K1B protein(107-405 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	107-405 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients.
AASequence	SEGSNLTPAHHPDFRDKTYAPLAFRYFRELFGIKPDDYLYSICSEPLIELSNPGASG SLFFVTSDDEFIIKTVQHKEAEFLQKLLPGYYMNLNQNPRTLLPKFYGLYCMQSGGIN IRIVVMNNVLPRSMRMHFTYDLKGSTYKRRASRKEREKSNPTFKDLDFLQDMHEGL YFDTETYNALMKTQLRDCRVLESFKIMDYSLLLGIHFLDHSLKEKEEETPQNVPDAKR TGMQKVLYSTAMESIQGPGKSGDGIITENPD TMGGIPAKSHRGEKLLLFTGIIDILQSY RLMKKLEHSW
Purity	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	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

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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](#)

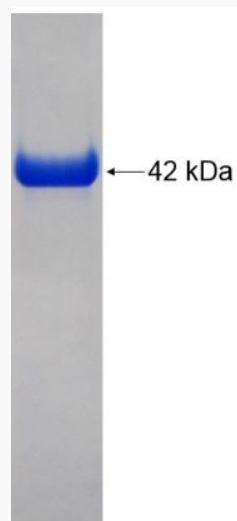
UniProt ID [O14986](#)

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SDS-PAGE



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