

Recombinant Human PIP5K1A protein, His-tagged

Cat. No. PIP5K1A-3532H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PIP5K1A protein(151-500 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	151-500 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	SLCSEPLIELCSSGASGSLFYVSSDDEFIIKTVQHKEAEFLQKLLPGYYMNLNQNPRT LLPKFYGLYCVQAGGKNIRIVVMNNLLPRSVKMHICYDLKGSTYKRRASQKEREKPL PTFKDLDFLQDIPDGLFLDADMYNALCKTLQRDCLVLQSFKIMDYSLLMSIHNDHAQ REPLSSETQYSVDTRRPAPQKALYSTAMESIQGEARRGGTMETDDHMGGIPARNS KGERLLLIGIIDILQSYRFVKKLEHSWKALVHDGDTVSVHRPGFYAERFQRFMCNTV FKKIPCVHLGRPDVLPQTTPLEEISEGSPIDPSFSPLVGETLQMLTTSTTLEKLEVAE SEFTH
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.
Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

Gene Name PIP5K1A phosphatidylinositol-4-phosphate 5-kinase, type I, alpha [Homo sapiens]

Official Symbol PIP5K1A

Synonyms PIP5K1A; phosphatidylinositol-4-phosphate 5-kinase, type I, alpha; phosphatidylinositol-4-phosphate 5-kinase type-1 alpha; PIP5KIalpha; PIP5K1-alpha; ptdIns(4)P-5-kinase 1 alpha; 68 kDa type I phosphatidylinositol-4-phosphate 5-kinase alpha;

Gene ID 8394

mRNA Refseq NM_001135636

Protein Refseq NP_001129108

MIM 603275

UniProt ID Q99755

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