

Recombinant Human PIP4K2A protein, His-tagged

Cat. No. PIP4K2A-3937H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PIP4K2A protein(59-406 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	59-406 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	VMLMPDDFKAYSKIKVDNHLFNKENMPSHFKFKEYCPMVFRNLRERFGIDDQDFQN SLTRSAPLPNDSQARSGARFHTSYDKRYIIKTITSEDVAEMHNILKKYHQYIVECHGIT LLPQFLGMYRLNVDGVEIYVIVTRNVFSHRLSVYRKYDLKGSTVAREASDKEKAKEL PTLKDNDFINEGQKIYIDDNKKVFLEKLKKDVEFLAQLKMDYSLLVGIHDVERAEQ EEVECEENDGEEEGESDGTHTPVGTTPDSPGNTLNSSPPLAPGEFDPNIDVYGIKCH ENSPRKEVYFMAIIDILTHYDAKKKAAHAAKTVKHGAGAEISTVNPEQYSKRFLDFIG HILT
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 $\mu\text{g}/\mu\text{l}$ 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 PIP4K2A phosphatidylinositol-5-phosphate 4-kinase, type II, alpha [Homo sapiens]

Official Symbol PIP4K2A

Synonyms

PIP4K2A; phosphatidylinositol-5-phosphate 4-kinase, type II, alpha; phosphatidylinositol 4 phosphate 5 kinase, type II, alpha , PIP5K2A; phosphatidylinositol-5-phosphate 4-kinase type-2 alpha; PIP5KIIA; PIP5KIIalpha; PIP5KIII; PIP4KII-alpha; PI(5)P 4-kinase type II alpha; PtdIns(4)P-5-kinase B isoform; ptdIns(4)P-5-kinase C isoform; diphosphoinositide kinase 2-alpha; ptdIns(5)P-4-kinase isoform 2-alpha; 1-phosphatidylinositol-4-phosphate kinase; 1-phosphatidylinositol-4-phosphate-5-kinase; 1-phosphatidylinositol-5-phosphate 4-kinase 2-alpha; phosphatidylinositol-4-phosphate 5-kinase, type II, alpha; type II phosphatidylinositol-4-phosphate 5-kinase 53 K isoform; PIPK; PI5P4KA; PIP5K2A; FLJ13267; PIP5KII-alpha;

Gene ID 5305

mRNA Refseq NM_005028

Protein Refseq NP_005019

MIM 603140

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UniProt ID

P48426

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