

Recombinant Full Length Human PIP4K2A Protein, C-Flag-tagged

Cat. No. PIP4K2A-1719HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PIP4K2A Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Phosphatidylinositol-5,4-bisphosphate, the precursor to second messengers of the phosphoinositide signal transduction pathways, is thought to be involved in the regulation of secretion, cell proliferation, differentiation, and motility. The protein encoded by this gene is one of a family of enzymes capable of catalyzing the phosphorylation of phosphatidylinositol-5-phosphate on the fourth hydroxyl of the myo-inositol ring to form phosphatidylinositol-5,4-bisphosphate. The amino acid sequence of this enzyme does not show homology to other kinases, but the recombinant protein does exhibit kinase activity. This gene is a member of the phosphatidylinositol-5-phosphate 4-kinase family.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	46 kDa
AA Sequence	MATPGNLGSSVLASKTKTKKKHFVAQKVKLFRASDPLLSVLMWGVNHSINELSHVQI PVMLMPDDFKAYS KIKVDNHLFNKENMPSHFKEKEYCPMVFRNLRERFGIDDQDFQ NSLTRSAPLPNDSQARSGARFHTSYDK RYIIKTITSEDVAEMHNILKKYHQYIVECHG

 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

ITLLPQFLGMYRLNVDGVEIYVIVTRNVFSHRLSVYRKY DLKGSTVAREASDKEKAK
 ELPTLKDNDFINEGQKIYIDDNNKKVFLEKLKDVFLAQLKLM DYSLVGI HDVERA
 EQEEVECEENDGEEEGESDGTHPVGTPPDSPGNTLNSSPPLAPGEFDPNIDVYGIK
 CHENSPRK
 EVYFMAIIDILTHYDAKKKAAHAAKTVKHGAGAEISTVNPEQYSKRFLDFIGHILTTRT
 RPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Inositol phosphate metabolism, Phosphatidylinositol signaling system, Regulation of actin cytoskeleton
Full Length	Full L.

GENE INFORMATION

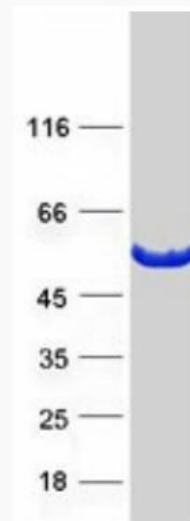
Gene Name [PIP4K2A phosphatidylinositol-5-phosphate 4-kinase type 2 alpha \[Homo sapiens \(human\) \]](#)

 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

Official Symbol	PIP4K2A
Synonyms	PIPK; PI5P4KA; PIP5K2A; PIP5KIIA; PIP5KII-alpha
Gene ID	5305
mRNA Refseq	NM_005028.5
Protein Refseq	NP_005019.2
MIM	603140
UniProt ID	P48426



Coomassie blue staining of purified PIP4K2A protein.

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