

Recombinant Human PIP4K2B, His-tagged

Cat. No. PIP4K2B-111H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant Human PIP4K2B, His-tagged protein was expressed in Baculovirus and purified by affinity chromatography in combination with FPLC columns.
Species	Human
Source	Insect Cells
Description	The protein encoded by this gene catalyzes the phosphorylation of phosphatidylinositol-5-phosphate on the fourth hydroxyl of the myo-inositol ring to form phosphatidylinositol-5,4-bisphosphate. This gene is a member of the phosphatidylinositol-5-phosphate 4-kinase family. The encoded protein sequence does not show similarity to other kinases, but the protein does exhibit kinase activity. Additionally, the encoded protein interacts with p55 TNF receptor.
Form	The protein is in 20mM Tris-HCl pH7.9, 100mM NaCl, 0.2mM EDTA, 1mM DTT and 20% glycerol.
Molecular Mass	49.2 kDa.
AA Sequence	MSSNCTSTTA VAVAPLSASK TKTKKKHFVC QKVKLFRASE PILSVLMWGV NHTINELSNV PVPVMLMPDD FKAYSKIKVD NHLFNKENLP SRFKFKEYCP MVFRNLRERF GIDDQDYQNS VTRSAPINSQ SQGRCGTRFL TTYDRRFVIK TVSSEDVAEM HNILKKYHQF IVECHGNTLL PQFLGMYRLT VDGVETYMVV TRNVFSHRLT VHRKYDLKGS TVAREASDKE KAKDLPTFKD NDFLNEGQKL HVGEESKKNF LEKLKRDVEF LAQLKIMDYS LLVGIHDVDR AEQEEMEVEE

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RAEDEECEND GVGGNLLCSY GTPPDSPGNL LSFPRFFGPG EFDPSVDVYA
 MKSHESSPKK EVYFMAIDI LTPYDTKKKA AHAAKTVKHG AGAEISTVNP
 EQYSKRFNEF MSNILT

Purity Greater than 95% as determined by SDS-PAGE.

Applications 1ug of PIP5kβK is sufficient to phosphorylate 1 ug of heat-inactivated nuclear or cytoplasmic extract at 30 C for 30 mins.

Storage Stored at -70°C before use. Avoid repeated freeze thaw cycles.

GENE INFORMATION

Gene Name [PIP4K2B phosphatidylinositol-5-phosphate 4-kinase, type II, beta \[Homo sapiens \]](#)

Official Symbol PIP4K2B

Synonyms PIP4K2B; phosphatidylinositol-5-phosphate 4-kinase, type II, beta; phosphatidylinositol 4 phosphate 5 kinase, type II, beta , PIP5K2B; phosphatidylinositol-5-phosphate 4-kinase type-2 beta; PIP5KIIB; PIP5KIIBeta; PIP4KII-beta; PTDINS(4)P-5-kinase; PI(5)P 4-kinase type II beta; diphosphoinositide kinase 2-beta; ptdIns(5)P-4-kinase isoform 2-beta; 1-phosphatidylinositol-4-phosphate kinase; 1-phosphatidylinositol-5-phosphate 4-kinase 2-beta; phosphatidylinositol-4-phosphate 5-kinase, type II, beta; PI5P4KB; PIP5K2B;

Gene ID [8396](#)

mRNA Refseq [NM_003559](#)

Protein Refseq [NP_001929](#)

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MIM	601482
UniProt ID	Q01658
Chromosome Location	1p22.1
Function	DNA binding; TBP-class protein binding; protein binding; sequence-specific DNA binding; transcription corepressor activity; transcription factor binding;

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