

Recombinant Human PIP4K2B, His-tagged

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

SPECIFICATION

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|-------------------------|---|
| 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 LEKLRDVEF LAQLKIMDYS LLVGIHDVDR AEQEEMEVEE |

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RAEDEECEND GVGGNLLCSY GTPPDSPGNL LSFPRFFGPG EFDPSVDVYA
 MKSHESPCK 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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