PIP4K2B cDNA

Catalog Number: ATGD0363

PRODUCT INFORMATION

Catalog number
ATGD0363

Product type
cDNA

Species
Human

NCBI Accession No.
NP_003550.1

Alternative Names
PI5P4KB, PIP5K2B, PIP5KIIB, PIP5KIIbeta, PIP5P4KB

mRNA Refseq
NM_003559.4

OMIM
603261

Chromosome location
17q12

PRODUCT SPECIFICATION

Formulation
Lyophilized

Storage
Store the plasmid at -20C.

cDNA Size
1251bp

Preparation before usage
1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA.
Each tube contains approximately 10ug of lyophilized plasmid.

Vector description
This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector
pATGen (puc19-derived cloning vector)

General Description

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PIP4K2B catalyzes the phosphorylation of phosphatidylinositol-4-phosphate on the fifth hydroxyl of the myo-inositol ring to form phosphatidylinositol-4, 5-bisphosphate. It is a member of the phosphatidylinositol-4-phosphate 5-kinase family. The amino acid sequence of PIP4K2B does not show similarity to other kinases, but the protein does exhibit kinase activity.

DATA

Sequence nucleotides

ATGTCGTCCAACTGCACCAGCACCACGGCGGTGGCGGTGGCGCCGCTCAGCGCCAGCAAGACCAAGACCAAGAAGAAGCA
TTTCGTGTGCCAGAAAGTGAAGCTATTCCGGGCCAGCGAGCCGATCCTCAGCGTCCTGATGTGGGGGGTGAACCACACGAT
CAATGAGCTGAGCAATGTTCCTGTTCCTGTCATGCTAATGCCAGATGACTTCAAAGCCTACAGCAAGATCAAGGTGGACAAT
CATCTCTTCAATAAGGAGAACCTGCCCAGCCGCTTTAAGTTTAAGGAGTATTGCCCCATGGTGTTCCGAAACCTTCGGGAGA
GGTTTGGAATTGATGATCAGGATTACCAGAATTCAGTGACGCGCAGCGCCCCCATCAACAGTGACAGCCAGGGTCGGTGTG
GCACGCGTTTCCTCACCACCTACGACCGGCGCTTTGTCATCAAGACTGTGTCCAGCGAGGACGTGGCGGAGATGCACAACA
TCTTAAAGAAATACCACCAGTTTATAGTGGAGTGTCATGGCAACACGCTTTTGCCACAGTTCCTGGGCATGTACCGCCTGAC
CGTGGATGGTGTGGAAACCTACATGGTGGTTACCAGGAACGTGTTCAGCCATCGGCTCACTGTGCATCGCAAGTATGACCT
CAAGGGTTCTACGGTTGCCAGAGAAGCGAGCGACAAGGAGAAGGCCAAGGACTTGCCAACATTCAAAGACAATGACTTCCT
CAATGAAGGGCAGAAGCTGCATGTGGGAGAGGAGAGTAAAAAGAACTTCCTGGAGAAACTGAAGCGGGACGTTGAGTTCT
TGGCACAGCTGAAGATCATGGACTACAGCCTGCTGGTGGGCATCCACGACGTGGACCGGGCAGAGCAGGAGGAGATGGA
GGTGGAGGAGCGGGCAGAGGACGAGGAGTGTGAGAATGATGGGGTGGGTGGCAACCTACTCTGCTCCTATGGCACACCT
CCGGACAGCCCTGGCAACCTCCTCAGCTTTCCTCGGTTCTTTGGTCCTGGGGAATTCGACCCCTCTGTTGACGTCTATGCCA
TGAAAAGCCATGAAAGTTCCCCCAAGAAGGAGGTGTATTTCATGGCCATCATTGATATCCTCACGCCATACGATACAAAGAA
GAAAGCTGCACATGCTGCCAAAACGGTGAAACACGGGGCAGGGGCCGAGATCTCGACTGTGAACCCTGAGCAGTACTCCA
AACGCTTCAACGAGTTTATGTCCAACATCCTGACGTAG

Transaction Sequence

MSSNCTSTTA VAVAPLSASK TKTKKKHFVC QKVKLFRASE PILSVLMWGV NHTINELSNV PVPVMLMPDD FKAYSKIKVD
NHLFNKENLP SRFKFKEYCP MVFRNLRERF GIDDQDYQNS VTRSAPINSD SQGRCGTRFL TTYDRRFVIK TVSSEDVAEM
HNILKKYHQF IVECHGNTLL PQFLGMYRLT VDGVETYMVV TRNVFSHRLT VHRKYDLKGS TVAREASDKE KAKDLPTFKD
NDFLNEGQKL HVGEESKKNF LEKLKRDVEF LAQLKIMDYS LLVGIHDVDR AEQEEMEVEE RAEDEECEND GVGGNLLCSY
GTPPDSPGNL LSFPRFFGPG EFDPSVDVYA MKSHESSPKK EVYFMAIIDI LTPYDTKKKA AHAAKTVKHG AGAEISTVNP
EQYSKRFNEF MSNILT