

PLEKHO1 cDNA

Catalog Number: ATGD0442

PRODUCT INFORMATION

Catalog number

ATGD0442

Product type

cDNA

Species

Human

NCBI Accession No.

NP_057358.2

Alternative Names

CKIP-1, CKIP1, JBP, OC120

mRNA Refseq

NM_016274.5

OMIM

608335

Chromosome location

1q21.2

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1230bp

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 Nde I to Hind III. 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

PLEKHO1 cDNA

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PLEKHO1 plays a role in the regulation of the actin cytoskeleton through its interactions with actin capping protein (CP). It may function to target CK2 to the plasma membrane thereby serving as an adapter to facilitate the phosphorylation of CP by protein kinase 2 (CK2).

DATA

Sequence nucleotides

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ATGATGAAGAAGAACAATTCGCCAAGCGGGGACCTCAGGATGGAAACCAGCAGCCTGCACCGCCCGAGAAGGTCCGGCTG
GGTCCGGAAATTCTGCGGAAAGGGATTTTCAGGGAGATTTGGAAAAACCGCTATGTGGTGCTGAAAGGGGACCAGCTCTA
CATCTCTGAGAAGGAGGTAAAAGATGAGAAAAATATTCAAGAGGATTTTGACCTGAGTGACTATGAGAAGTGTGAAGAGCT
CCGGAAGTCCAAGAGCAGGAGCAAGAAAAATCATAGCAAGTTTACTCTTGCCCACTCCAACAGCCCGGTAACACGGCACC
CAACCTGATCTTCCTGGCAGTGAGTCCAGAAGAGAAGGAATCGTGGATCAATGCCCTCAACTCTGCCATCACCCGAGCCAA
GAACCGTATCTTGGATGAGGTCACCGTTGAGGAGGACAGCTATCTTGCCCATCCCCTCGAGACAGGGCAAAAATCCAGCA
CTCCCGCCGCCCCCAACAAGGGGACACCTAATGGCTGTGGCTTCCACCTCTACCTCGGATGGGATGCTGACCTTGGACTT
GATCCAAGAGGAAGACCCTTCCCCTGAGGAACCAACCTCTTGTGCTGAGAGCTTTTCGGGTTGACCTGGACAAGTCTGTGGC
CCAGCTGGCAGGGAGCCGGCGGAGAGCGGACTCAGACCCGCATCCAGCCCTCCGCAGACCCGGGCAAGCAGTCTCTCCCGA
CCTTGGGAAAAAACAGACAAAGGGGCCACCTACACCCCCAGGCACCCAAGAAGTTGACGCCACAGAGAAAGGCCGCTG
CGCCTCCCTGGAGGAGATCCTATCTCAGCGGGATGCTGCCTCTGCCCGCACCTCCAGCTGCGGGCTGAGGAACCCCAA
CCCCTGCCCTCCCAACCCGGGGCAGCTGTCCCGGATCCAGGACCTGGTAGCAAGGAAACTGGAGGAGACTCAGGAGCTT
CTGGCAGAGGTTTCAGGGACTGGGAGATGGGAAGCGAAAGGCCAAGGACCCCTCGGTCTCCGCCGGATTCTGAGTCAGA
GCAGCTGCTGCTGGAGACGGAACGGCTGCTGGGAGAGGCATCATCGAATTGGAGCCAGGCAAGAGGGTGCTGCAGGAG
GTCAGGGAGCTGAGAGACCTGTACAGACAGATGGACCTGCAGACCCCGGACTCCCACCTCAGACAGACCACCCCGCACAG
TCAGTACCGGAAGAGCCTGATGTGA
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Transaction Sequence

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MMKKNNSAKR GPQDGNQPPA PPEKVGWVRK FCGKGFREI WKNRYVVLKG DQLYISEKEVKDEKNIQEVF DLSDYEKCEE
LRKSKRSKX NHSKFTLAHS KQPGNTAPNL IFLAVSPEEKESWINALNSA ITRAKNRILD EVTVEEDSYL AHPTRDRAKI
QHSRRPPTRG HLMVAVASTSTSDGMLTLDLI QEEDPSPEEP TSACAEFRVD LDKSVAQLAG SRRRADSDRI
QPSADRASSLSRPWEKTDKG ATYTPQAPKK LTPTEKGRCA SLEEILSQRD AASARTLQLR AEEPPTPALPNPGQLSRIQD
LVARKLEETQ ELLAEVQGLG DGKRKAKDPP RSPDSESEQ LLETERLLGEASSNWSQAK RVLQEVREL R DLYRQMDLQT
PDSHLRQTTP HSQYRKSLM
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