

LPXN cDNA

Catalog Number: ATGD0170

PRODUCT INFORMATION

Catalog number

ATGD0170

Product type

cDNA

Species

Human

NCBI Accession No.

NP_001137467.1

Alternative Names

LDPL

mRNA Refseq

NM_001143995.2

OMIM

605390

Chromosome location

11q12.1

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

1176bp

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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The product encoded by LPXN is preferentially expressed in hematopoietic cells and belongs to the paxillin protein family. Similar to other members of this focal-adhesion-associated adaptor-protein family, it has four leucine-rich LD-motifs in the N-terminus and four LIM domains in the C-terminus. It may function in cell type-specific signaling by associating with PYK2, a member of focal adhesion kinase family. As a substrate for a tyrosine kinase in lymphoid cells, this protein may also function in, and be regulated by, tyrosine kinase activity. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

DATA

Sequence nucleotides

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ATGTCTACATTATTGATCTCGTCTTCCGATGCCTTATTGGAGGAACTGGAACGCTCCACCCTTCAGGACAGTGATGAATATTC
CAACCCAGCTCCTCTTCCCCTGGATCAGCATTCCAGAAAGGAGACTAACCTTGATGAGACTTCGGAGATCCTTTCTATTTCAG
GATAACACAAGTCCCTTGCCGGCGCAGCTCGTGTATACTACCAATATCCAGGAGCTCAATGTCTACAGTGAAGCCCAAGAG
CCAAAGGAATCACCACCACCTTCTAAAACGTCAGCAGCTGCTCAGTTGGATGAGCTCATGGCTCACCTGACTGAGATGCAG
GCCAAGGTTGCAGTGAGAGCAGATGCTGGCAAGAAGCACTTACCAGACAAGCAGGATCACAAGGCCTCCCTGGACTCAAT
GCTTGGGGGTCTGGAGCAGGAATTGCAGGACCTTGGCATTGCCACAGTGCCCAAGGGCCATTGTGCATCCTGCCAGAAAC
CGATTGCTGGGAAGGTGATCCATGCTCTAGGGCAATCATGGCATCCTGAGCATTTTGTCTGTACTCATTGCAAAGAAGAGAT
TGGCTCCAGTCCCTTCTTTGAGCGGAGTGGCTTGGCCTACTGCCCCAACGACTACCACCAACTTTTTCTCCACGCTGTGCT
TACTGCGCTGCTCCCATCCTGGATAAAGTGCTGACAGCAATGAACCAGACCTGGCACCCAGAGCACTTCTTCTGCTCTCACT
GCGGAGAGGTGTTTGGTGCAGAAGGCTTTCATGAGAAGGACAAGAAGCCATATTGCCGAAAGGATTTCTTAGCCATGTTCT
CACCCAAGTGTGGTGGCTGCAATCGCCCAGTGTTGGAAAACCTTTTCAGCCATGGACACTGTCTGGCACCCAGAGTGCT
TTGTTTGTGGGGACTGCTTCACCAGTTTTTCTACTGGCTCCTTCTTTGAACTGGATGGACGTCCATTCTGTGAGCTCCATTAC
CATCACCGCCGGGGAACGCTCTGCCATGGGTGTGGGCAGCCCATCACTGGCCGTTGTATCAGTGCCATGGGGTACAAGTT
CCATCCTGAGCACTTTGTGTGTGCTTTCTGCCTGACACAGTTGTCTGAAGGGCATTTCAGGGAGCAGAATGACAAGACCTAT
TGTC AACCTTGCTTCAATAAGCTCTTCCCACTGTAA
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Transaction Sequence

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MSTLLISSD ALLEELERST LQDSDEYSNP APLPLDQHSR KETNLDETSE ILSIQDNTSP LPAQLVYTTN IQELNVYSEA
QEPKESPPPS KTSAAAQLDE LMAHLTEMQA KVAVRADAGK KHLDPKQDHK ASLDSMLGGL EQELQDLGIA TVPKGHCASC
QKPIAGKVIH ALGQSWHPEH FVCTHCKEEI GSSPFFERSG LAYCPNDYHQ LFSPRCAYCA APILDKVLT A MNQTWHPHF
FCSHCGEVFG AEGFHEKDKK PYCRKDFLAM FSPKCGGCNR PVLENYLSAM DTVWHPECFV CGDCFTSFST GSFFELDGRP
FCELHYHHRG GTLCHGCGQP ITGRICISAMG YKFHPEHFVC AFCLTQLSKG IFREQNDKTY CQPCFNKLFP L
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