

## LPXN cDNA

Catalog Number: ATGD0170

### PRODUCT INFORMATION

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**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

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**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

```
ATGTCTACATTATTGATCTCGTCTTCCGATGCCTTATTGGAGGAACTGGAACGCTCCACCCTTCAGGACAGTGATGAATATTC
CAACCCAGCTCCTCTTCCCCTGGATCAGCATTCCAGAAAGGAGACTAACCTTGATGAGACTTCGGAGATCCTTTCTATTTCAG
GATAACACAAGTCCCTTGCCGGCGCAGCTCGTGTATACTACCAATATCCAGGAGCTCAATGTCTACAGTGAAGCCCAAGAG
CCAAAGGAATCACCACCACCTTCTAAAACGTCAGCAGCTGCTCAGTTGGATGAGCTCATGGCTCACCTGACTGAGATGCAG
GCCAAGGTTGCAGTGAGAGCAGATGCTGGCAAGAAGCACTTACCAGACAAGCAGGATCACAAGGCCTCCCTGGACTCAAT
GCTTGGGGGTCTGGAGCAGGAATTGCAGGACCTTGGCATTGCCACAGTGCCCAAGGGCCATTGTGCATCCTGCCAGAAAC
CGATTGCTGGGAAGGTGATCCATGCTCTAGGGCAATCATGGCATCCTGAGCATTGTGTCTGTACTIONTTCATTGCAAAGAAGAGAT
TGGCTCCAGTCCCTTCTTTGAGCGGAGTGGCTTGGCCTACTGCCCAACGACTACCACCAACTTTTTTCTCCACGCTGTGCT
TACTGCGCTGCTCCCATCCTGGATAAAGTGCTGACAGCAATGAACCAGACCTGGCACCCAGAGCACTTCTTCTGCTCTCACT
GCGGAGAGGTGTTTGGTGCAGAAGGCTTTCATGAGAAGGACAAGAAGCCATATTGCCGAAAGGATTTCTTAGCCATGTTCT
CACCCAAGTGTGGTGGCTGCAATCGCCCAGTGTGGAAAACACTCTTTCAGCCATGGACACTGTCTGGCACCCAGAGTGCT
TTGTTTGTGGGGACTGCTTACCAGTTTTTCTACTGGCTCCTTCTTTGAACTGGATGGACGTCCATTCTGTGAGCTCCATTAC
CATCACCGCCGGGAACGCTCTGCCATGGGTGTGGGCAGCCCATCACTGGCCGTTGTATCAGTGCCATGGGGGTACAAGTT
CCATCCTGAGCACTTTGTGTGTGCTTTCTGCCTGACACAGTTGTGCAAGGGCATTTCAGGGAGCAGAATGACAAGACCTAT
TGCAACCTTGCTTCAATAAGCTCTTCCCCTGTAA
```

#### Transaction Sequence

```
MSTLLISSD ALLEELERST LQDSDEYSNP APLPLDQHSR KETNLDETSE ILSIQDNTSP LPAQLVYTTN IQELNVYSEA
QEPKESPPPS KTSAAAQLDE LMAHLTEMQA KVAVRADAGK KHLDPKQDHK ASLDSMLGGL EQELQDLGIA TVPKGHCASC
QKPIAGKVIH ALGQSWHEPH FVCTHCKEEI GSSPFFERSG LAYCPNDYHQ LFSPRCAYCA APILDKVLT A MNQTWHEPHF
FCSHCGEVFG AEGFHEKDKK PYCRKDFLAM FSPKCGGCNR PVLENYLSAM DTVWHPECFV CGDCFTSFST GSFFELDGRP
FCELHYHRRR GTLCHGCGQP ITGRCISAMG YKFHPEHFVC AFCLTQLSKG IFREQNDKTY CQPCFNKLP L
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