

Product datasheet for **SC117119**

Leupaxin (LPXN) (NM_004811) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Leupaxin (LPXN) (NM_004811) Human Untagged Clone
Tag:	Tag Free
Symbol:	Leupaxin
Synonyms:	LDPL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004811, the custom clone sequence may differ by one or more nucleotides

ATGGAAGAGTTAGATGCCTTATTGGAGGAAGTGAACGCTCCACCCTTCAGGACAGTGATGAATATTCCA
 ACCCAGCTCCTCTTCCCCTGGATCAGCATTCCAGAAAGGAGACTAACCTTGATGAGACTTCGGAGATCCT
 TTCTATTGAGGATAACACAAGTCCCTTGCCGGCGCAGCTCGTGTATACTACCAATATCCAGGAGCTCAAT
 GTCTACAGTGAAGCCCAAGAGCCAAAGGAATCACCACCACCTTCTAAAACGTCAGCAGCTGCTCAGTTGG
 ATGAGCTCATGGCTCACCTGACTGAGATGCAGGCCAAGGTTGCAGTGAGAGCAGATGCTGGCAAGAAGCA
 CTTACCAGACAAGCAGGATCACAAGGCCTCCCTGGACTCAATGCTTGGGGTCTGGAGCAGGAATTGCAG
 GACCTTGGCATTGCCACAGTGCCCAAGGGCCATTGTGCATCCTGCCAGAAACCGATTGCTGGGAAGGTGA
 TCCATGCTCTAGGGCAATCATGGCATCCTGAGCATTTTGTCTGTACTCATTGCAAAGAAGAGATTGGCTC
 CAGTCCCTTCTTTGAGCGGAGTGCTTGGCCTACTGCCCAACGACTACCACCAACTTTTTCTCCACGC
 TGTGCTTACTGCGCTGCTCCCATCCTGGATAAAGTGCTGACAGCAATGAACCAGACCTGGCACCAGAGC
 ACTTCTTCTGCTCTCACTGCGGAGAGGTGTTGGTGAGAAGGCTTTCATGAGAAGGACAAGAAGCCATA
 TTGCCGAAAGGATTTCTTAGCCATGTTCTACCCAAGTGTTGGTGGCTGCAATCGCCAGTGTTGGAAAC
 TACCTTTCAGCCATGGACACTGTCTGGCACCAGAGTGCTTTGTTGTGGGGACTGCTTCACCAAGTTTTT
 CTACTGGCTCCTTCTTTGAAGTGGATGGACGTCCATTCTGTGAGCTCCATTACCATCACCAGGCGGGAAC
 GCTCTGCCATGGGTGTGGGCAGCCCATCTGGCCGTTGTATCAGTGCCATGGGGTACAAGTTCCATCCT
 GAGCACTTTGTGTGCTTTCTGCCTGACACAGTTGTGCAAGGGCATTTCAGGGAGCAGAATGACAAGA
 CCTATTGTCAACCTTGCTTCAATAAGCTCTTCCCACTGTAA



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004811 unedited
 AATACGACTCACTATAGGGCGGCCGAATTCGGCACGAGGCAAAGCTGTTCTCAGGCG
 CTGTGAGACAAGAGCATCTTGGATGTAGGACAATGGAAGAGTTAGATGCCTTATTGGAGG
 AACTGGAACGCTCCACCCTTCAGGACAGTGATGAATATCCAACCCAGCTCCTCTTCCCC
 TGGATCAGCATTCCAGAAAGGAGACTAACCTTGATGAGACTTCGGAGATCCTTTCTATTC
 AGGATAACACAAGTCCCTTGCCGGCGCAGCTCGTGATACTACCAATATCCAGGAGCTCA
 ATGTCTACAGTGAAGCCCAAGAGCCAAAGGAATCACCACCCTTCTAAAACGTCAGCAG
 CTGCTCAGTTGGATGAGCTCATGGCTCACCTGACTGAGATGCAGGCCAAGGTTGCAGTGA
 GAGCAGATGCTGGCAAGAAGCACTTACCAGACAAGCAGGATCACAGGCCTCCCTGGACT
 CAATGCTTGGGGTCTCGAGCAGGAATTGCAGGACCTTGGCATTGCCACAGTGCCCAAGG
 GCCATTGTGCATCCTGCCAGAAACCGATTGCTGGGAAGGTGATCCATGCTCTAGGCAAT
 CATGGCATCCTGAGCATTNTGTCTGTACTATTGCAAAGAAGAGATTGGCTCCAGTCCCT
 TCTTTGAGCGGAGTGGCTTGGCCTACTGCCCCAACGACTACCACCACTNTTTTCTCCAC
 GCTGTGCTTACTGCGCTGCTCCATCCTGGATAAGTGCTGACAGCNATGAACCAGACCTGG
 CACCCAGAGCACTTCTTCTGCTCTCACTGCGGAGAAGTGGTGCANAATGCTCTCAT
 GANAANGACAGAAGCCATNNATGCCGAAGGATNNTCTAGCCATGTCCACCCAAGTGTGG
 TGGCTGCATCGCCAGTGTGAGAACTACCTTCACCATGGACCTGTCTGGACCAAGTGC
 NTTGTTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004811 unedited
 ATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTATTGAAACCACAAGCCAGTTTATTTA
 TCAATGATGTCACTACTCAAAGTTGTCCAGTTAAATCTACTTCCTCTTGAAAAACAAAA
 ATACACTGAAGGAAGATGCAAAGAGCTAAAAGTGGTATCATGATTCACAGCAGTGATTG
 TAAGACAGTGAGCCACAGGGAATGGGAAAACGTGAAAAGAAACAAGTATCAGGACCAAA
 TTAGAGAAGATATGAGTAGGGCCATCACTAGAGGTGAAAATGGAGAAACCTAAGAAAACC
 AGTGTGGCATGAATTATGCAAGTGGAAAATACATCTGTAGAGGGACGAGATAGAAGGAC
 CTAGATCTAACTCCAAGTGCTTGATTGGAGAAGAGAGGGAGAAAGAGAATTTATAGAATT
 AACTGTATAGAAGCCTAAAAATAAGATTATCAGCCTAGTCATGTAAAGTCTCTAGAAGT
 TCCTTTATTTGCTCATCACCTTTCTTTTCTATAAGACTATTAAGCAGAAGGTCAGTAA
 CAGAAAATTTACCCTTTCTCTCTCTCTTGGTTTAAATTTTATAAGGAATCTGAAGAGG
 CTATGGATCAGTTGGCATTACAGTGGGAAGAGCTTATTGAAAGCAGGGTTGACATAGGTC
 TTGGCATTTCTGCTCCNTGAAAATGCCCTTCGACCACTGTGTAGGCAGNAAGCACACAC
 CAAGTGCTCAGGATGAACTTGACCCCATGCCACTGATACAACGCGCCAGTGATGGGCTGC
 CCACACCATGGCAGAGCGTCCCCGGCCGTGATGGAATGGAAGCTACCAGATGAACGTCCA
 TCCCGNTCAAAGAAGGAGCCAGTATAAACTGGTGAGCAGTCCCCAAAACAAGCACTTTG
 TTGGCAAAAGTGCCATGCTGAAAGGTATTTCCACCTGGGGGATGCGCCCCAACCTTGGT
 GGAACCTGCTAAATATCTTCGCAATGGCTTTTGCCTTTTCTAGAGCTCTGCCN

Restriction Sites:

NotI-NotI

ACCN:

NM_004811

Insert Size:

1800 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:

The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_004811.1](#), [NP_004802.1](#)

RefSeq Size: 1875 bp

RefSeq ORF: 1161 bp

Locus ID: 9404

UniProt ID: [O60711](#)

Cytogenetics: 11q12.1

Domains: LIM

Protein Families: Druggable Genome

Gene Summary: The product encoded by this gene 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.[provided by RefSeq, Jan 2009]

Transcript Variant: This variant (2) uses an alternate 5' terminal exon, which results in a distinct 5' UTR and novel 5' coding region compared to variant 1. It encodes isoform 2, which is shorter than and has a distinct N-terminus compared to isoform 1.