

Product datasheet for **SC320429**

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_004811.1
 CTTCTTCAGCACATGCCAAAGCTGTTCTCAGGCCTGTGAGACAAGAGCATCTTGGATG
 TAGGACAATGGAAGAGTTAGATGCCTTATTGGAGGAAGTGAACGCTCCACCCCTTCAGGA
 CAGTGATGAATATTCCAACCCAGCTCCTCTCCCTGGATCAGCATTCCAGAAAGGAGAC
 TAACCTTGATGAGACTTCGGAGATCCTTTCTATTACAGGATAACACAAGTCCCTTGCCGGC
 GCAGCTCGTGTATACTACCAATATCCAGGAGCTCAATGTCTACAGTGAAGCCCAAGAGCC
 AAAGGAATCACCACCACCTTCTAAAACGTCAGCAGCTGCTCAGTTGGATGAGCTCATGGC
 TCACCTGACTGAGATGCAGGCCAAGGTTGCACTGAGAGCAGATGCTGGCAAGAAGCACTT
 ACCAGACAAGCAGGATCACAAGGCCTCCCTGGACTCAATGCTTGGGGGTCTCGAGCAGGA
 ATTGCAGGACCTTGGCATTGCCACAGTGCCAAGGGCCATTGTGCATCCTGCCAGAAACC
 GATTGCTGGGAAGGTGATCCATGCTCTAGGGCAATCATGGCATCCTGAGCATTTTGTCTG
 TACTCATTGCAAAGAAGAGATTGGCTCCAGTCCCTTCTTTGAGCGGAGTGGCTTGGCCTA
 CTGCCCCAACGACTACCACCACTTTTTCTCCACGCTGTGCTTACTGCGCTGCTCCCAT
 CCTGGATAAAGTGTGACAGCAATGAACCAGACCTGGCAGCCAGAGCACTTCTTCTGCTC
 TCACTGCGGAGAGGTGTTTGGTGCAGAAGGCTTTCATGAGAAGGACAAGAAGCCATATTG
 CCGAAAGGATTTCTAGCCATGTTCTCACCCAAGTGTGGTGGCTGCAATCGCCAGTGTT
 GGAAAACTACCTTTCAGCCATGGACACTGTCTGGCACCCAGAGTGCTTTGTTGTGGGGA
 CTGCTTCACCAAGTTTTCTACTGGCTCCTTCTTTGAACTGGATGGACGTCCATTCTGTGA
 GCTCCATTACCATCACCGCCGGGAACGCTCTGCCATGGGTGTGGGCAGCCCATCACTGG
 CCGTTGTATCAGTGCCATGGGGTACAAGTTCATCCTGAGCACTTTGTGTGTGCTTTCTG
 CCTGACACAGTTGTGCAAGGGCATTTCAGGGAGCAGAATGACAAGACCTATTGTCAACC
 TTGCTTCAATAAGCTCTTCCCACTGTAATGCCAACTGATCCATAGCCTCTTCAGATTCTC
 TATAAAATTTAAACCAAGAGAGGAGAGGAAAGGTAATTTTCTGTTACTGACCTTCTGC
 TTAATAGTCTTATAGAAAAGGAAAGGTGATGAGCAAATAAAGGAACCTCTAGACTTTAC
 ATGACTAGGCTGATAATCTTATTTTTTAGGCTTCTATACAGTTAATTCTATAAATCTCT
 TTCTCCCTCTCTCTCAATCAAGCACTTGGAGTTAGATCTAGGTCTTCTATCTCGTCC
 CTCTACAGATGTATTTCCACTTGCATAATTCATGCCAACTGGTTTTCTTAGGTTTCT
 CCATTTTCACCTCTAGTGATGGCCCTACTCATATCTTCTAATTTGGTCTGATACTTG
 TTTCTTTTCACGTTTTCCATTTCCCTGTGGCTCACTGTCTTACAATCACTGCTGTGGAA
 TCATGATACCACTTTAGCTCTTTGCATCTTCTTCAGTGTATTTTGTGTTTTCAAGAGG
 AAGTAGATTTTAACTGGACAACCTTGTAGTACTGACATCATTGATAAATAAAGTGGCTTGT
 GGTTAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_004811

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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.