

Product datasheet for **SC325866**

Leupaxin (LPXN) (NM_001143995) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Leupaxin (LPXN) (NM_001143995) Human Untagged Clone
Tag:	Tag Free
Symbol:	Leupaxin
Synonyms:	LDPL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325866 representing NM_001143995. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGCTACATTATTGATCTCGTCTTCCGATGCCTTATTGGAGGAAGTGAACGCTCCACCCTTCAGGAC
 AGTGATGAATATTCGAACCCAGCTCCTCTTCCCTGGATCAGCATTCCAGAAAGGAGACTAACCTTGAT
 GAGACTTCGGAGATCCTTTCTATTCAGGATAACACAAGTCCCTTGCCGGCGCAGCTCGTGATACTACC
 AATATCCAGGAGCTCAATGTCTACAGTGAAGCCCAAGAGCCAAAGGAATCACCACCACCTTCTAAAACG
 TCAGCAGCTGCTCAGTTGGATGAGCTCATGGCTCACCTGACTGAGATGCAGGCCAAGGTTGCAGTGAGA
 GCAGATGCTGGCAAGAAGCACTTACCAGACAAGCAGGATCACAAGGCCTCCCTGGACTCAATGCTTGGG
 GGTCTGGAGCAGGAATTGCAGGACCTTGGCATTGCCACAGTGCCCAAGGGCCATTGTGCATCCTGCCAG
 AAACCGATTGCTGGGAAGGTGATCCATGCTCTAGGGCAATCATGGCATCCTGAGCATTTTGTCTGTACT
 CATTGCAAAGAAGAGATTGGCTCCAGTCCCTTCTTTGAGCGGAGTGGCTTGGCCTACTGCCCAACGAC
 TACCACCAACTTTTTCTCCACGCTGTGCTTACTGCGTGCTCCCATCCTGGATAAAGTGCTGACAGCA
 ATGAACCAGACCTGGCACCCAGAGCACTTCTTCTGCTCTCACTGCGGAGAGGTGTTTGGTGAGAAGGC
 TTTCATGAGAAGGACAAGAAGCCATATTGCCGAAAGGATTTCTTAGCCATGTTCTACCCAAGTGTGGT
 GGCTGCAATCGCCAGTGTGGAAAACCTACCTTCAGCCATGGACACTGTCTGGCACCCAGAGTGCTTT
 GTTTGTGGGACTGCTTACCAGTTTTTCTACTGGCTCCTTCTTTGAAGTGGATGGACGTCCATTCTGT
 GAGCTCATTACCATCACCGCCGGGGAACGCTCTGCCATGGGTGTGGGCAGCCCATCACTGGCCGTTGT
 ATCAGTGCCATGGGGTACAAGTTCATCCTGAGCACTTTGTGTGTCTTTCTGCCTGACACAGTTGTCTG
 AAGGGCATTTTTCAGGGAGCAGAATGACAAGACCTATTGTCAACCTTGCTTCAATAAGCTCTTCCCACTG
 TAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites: SgfI-MluI



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ACCN:	NM_001143995
Insert Size:	1176 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).
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:	<u>NM_001143995.2</u>
RefSeq Size:	1965 bp
RefSeq ORF:	1176 bp
Locus ID:	9404
UniProt ID:	<u>O60711</u>
Cytogenetics:	11q12.1
Protein Families:	Druggable Genome
MW:	43.7 kDa
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 (1) encodes the longest isoform (1).