

Product datasheet for **SC118682**

LSP1 (NM_002339) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LSP1 (NM_002339) Human Untagged Clone
Tag:	Tag Free
Symbol:	LSP1
Synonyms:	pp52; WP34
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002339, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGAGGCTTCGAGTGACCCGGGTGCCGAGGAGCGGGAAGAGTTGCTGGGGCCCACTGCTCAGTGGA  
GCGTGGAGGACGAGGAGGAGGCCGTCCACGAGCAATGCCAGCATGAGAGAGACAGGCAGCTTCAGGCCCA  
GGACGAGGAGGGAGGCGCCATGTCCCGAGCGGCCGAAGCAGGAGATGCTCCTCAGCCTGAAGCCCTCG  
GAGGCCCTGAACTGGATGAGGACGAGGGCTTTGGCGACTGGTCCCAGAGGCCAGAGCAGCGGCAGCAGC  
ACGAGGGGGCGCAGGGCGCCTTGGACAGCGGAGAGCCCCCAGTGCAGGAGTCTGAGGGGGAGCAAGA  
GGACAGGCCCGCCTGCATGCCTACGAAAAGGAGGACAGTGATGAAGTCCACCTGGAGGAGTTGAGTCTG  
AGCAAGGAGGGGCCAGGCCAGAGGACACTGTCCAGGACAACCTGGGGGCCGAGGGGCTGAGGAGGAAC  
AGGAGGAGCACCAGAAATGTGAGCAGCCAGGACACCCAGCCCCTTGGTCTTGGAGGGGACCATCGAACA  
GAGCTCGCCTCCCTGAGCCCTACCACAACTCATCGACAGGACCGAGTCCCTAAACCGCTCCATAGAG  
AAGAGTAACAGTGTGAAGAAATCCAGCCAGACTTGCCCATCTCCAAGATTGATCAGTGGCTGGAACAAT  
ACCCCAGGCATCGAGACCGCTGGCCGGACCCCCAAGCTAGCCCAGGCCTCCATAGAGCTGCCAG  
CATGGCTGTGGCCAGTACCAAGAGTCGGTGGGAGACGGGTGAGGTACAGGCTCAGTCTGCGGCCAAGACT  
CCGTCCTGCAAGGATATTGTGGCTGGAGACATGAGCAAGAAAAGCCTCTGGGAGCAGAAGGGAGGCTCCA  
AGACCTCATCAACAATTAAGAGCACCCCATCTGGGAAGAGGTAAAGTTTGTGCCACCCGGGCATGGGAA  
GTATGAGAAGGTGCTTGTGGAAGGGGGCCCGGCTCCCTAG
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_002339 unedited ACGACTACTATAGGGCGGCCGGAATTCGGCACGAGGGTCGGCTGCTACCCATGACGGG TTGGGGAGGTATTGGTGCAGCTGAGGTGGTGCTTGGCGAGGCCACTGCTCAGTGGAGC GTGGAGGACGAGGAGGAGGCCGTCCACGAGCAATGCCAGCATGAGAGAGACAGGCAGCTT CAGGCCCAGGACGAGGAGGGAGGCCATGTCCCGAGCGGCCGAAGCAGGAGATGCTC CTCAGCCTGAAGCCCTCGAGGCCCTGAACTGGATGAGGACGAGGGCTTTGGCGACTGG TCCCAGAGGCCAGAGCAGCGGCAGCAGCAGAGGGGGCGCAGGGCGCCTTGGACAGCGGA GAGCCCCCAGTGCAGAGTCTTGAGGGGAGCAAGAGGACAGGCCCGCCTGCATGCC TACGAAAAGGAGGACAGTGATGAAGTCCACCTGGAGGAGTTGAGTCTGAGCAAGGAGGG CCAGGCCCAGAGGACACTGTCCAGGACAACCTGNGGGCCGAGGGGCTGAGGAGGAACAG GAGGAGCACCAGAAATGTCAGCAGCCCAGGACACCCAGCCNCTTGGTCTTGGAGGGGACC ATCGAACAGAGCTCGCCTCCCCTGAGCCCTACCACAACTCATCGACAGGACCGAGTCC CTAACCCTCCATAGAGAAGAGTAACAGTGTGAAGAAATCCCAGCCAGACTTGCCCATC TNNCAGATTGATCAGTGGCTGGAACAATACANCCAGCCATCGAGACCGCTGGCCGGACC CCCAGCTAGCCCCCAGGCTCATAGAGCTGCCAGCATGGCTGTGGCCGTACCANNAGTC GTGGAGACGGNTGAGGTACAGCTANTCTGNGCAAACCTCGTCTGCAGGTATTGTGGCTGA GACATGACAGAAAGCTTGGACAGAGNAGCTCAGACTCTACATANACCCTCTGAAAAGGG TTAGT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_002339 unedited GAACCGCNGCCGAATCTANAGTCGAGTTTTTTTTTTTTTTTTTTTGGAGAAACACAGGGA GCTTTATTATACAAAATGGCGGGTGGGGGGCGCAAGCAGCGGGGACGCAGCATCAAG CATCCTGCATGGCCGTTATCAGCCCTTGACCTGCAGTTTCCCCTTGGATCTGGGGGGTG ACCCACCTCTCTGCACAGGCTGTGCCTAACCTCCTAACTTCTAAAAGGCACTTGCC TCTCCAGGGTAAGTCCCTTTGGCCAATGATCAGGAGTTTCTTCTCCCAAGTAACA AGAAGCGGAGCTGGGTGGGAGGGCGGGGGCGGTGGTCATAGAGTGAAGGGCAGAGAGG CTAAGGGTCCAGGAGCAAAAGGAGGTGGCAGCGGATGGCATCAAAGAGGCGAGGGTAGG TCATGTGGCAACAGGAAGCAACTTCTTATCCAGGGCCGGGGGGCGGGTGTCTGGCTGGA ATCTCCCCTGGGTACATGGAGGGTGCCAGCCGGCTGGACTGCAAACCCAGGAAGCCAGA TGGGACCCTAGGGAACCGGGCCCCCTTCCACAGCACCTTCTCATACCTTCCATGTCCTC GGGCCACAAAACCTTATAACCTTCCCAAACGGGGCGCCCTTACTGGTCGATGAGGTTTT TGGAACCCCTTTTGTCAAAAAGCCTTTTCTTGTCTCATGTCTCAACCCCATATCC CTTGCAAGACCGAGTTTTTGTCCGTAACATGTACCCTGTACCTTACACCGTTCTCACA CCTAACTCTTGTATCTGGTCCACCACCATGCCCTGGCCATCTTCTATGAAAGGCTCCG GTCGGGTTAATCTCCGACGTGTACGCGTACAGCCCATCACACGGCCACGTTCCGCTAT TCTCCACCCACCCGATATAATCTCTGCCACAGTCTCCATCCCCGAGCTTTCTATTTCT TACTACACTGCATCTCTTTTTTACGATACCCCC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_002339
Insert Size:	1610 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_002339.2](#), [NP_002330.1](#)

RefSeq Size: 1756 bp

RefSeq ORF: 1020 bp

Locus ID: 4046

UniProt ID: [P33241](#)

Cytogenetics: 11p15.5

Gene Summary: This gene encodes an intracellular F-actin binding protein. The protein is expressed in lymphocytes, neutrophils, macrophages, and endothelium and may regulate neutrophil motility, adhesion to fibrinogen matrix proteins, and transendothelial migration. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) contains an alternate exon and lacks two exons in the 5' coding region compared to variant 5. The resulting protein (isoform 1) has a distinct N-terminus and is shorter than isoform 3.