

## Product datasheet for **SC301766**

### LSP1 (NM\_001013253) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LSP1 (NM_001013253) Human Untagged Clone
Tag:	Tag Free
Symbol:	LSP1
Synonyms:	pp52; WP34
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001013253, the custom clone sequence may differ by one or more nucleotides ATGCTCCTCAGCCTGAAGCCCTCGGAGGCCCTGAACTGGATGAGGACGAGGGCTTTGGC GACTGGTCCCAGAGGCCAGAGCAGCGGCAGCAGCACGAGGGGGCGCAGGGCGCCTTGGAC AGCGGAGAGCCCCCAGTGCAGGAGTCTGAGGGGGAGCAAGAGGACAGGCCCGCCTG CATGCCTACGAAAAGGAGGACAGTGAAGTCCACCTGGAGGAGTTGAGTCTGAGCAAG GAGGGGCCAGGCCAGAGGACTGTCCAGGACAACCTGGGGCCGAGGGGCTGAGGAG GAACAGGAGGAGCACCAGAAATGTCAGCAGCCCAGGACACCCAGCCCTTGGTCTTGGAG GGGACCATCGAACAGAGCTCGCCTCCCCTGAGCCCTACCACCAAACCTCATCGACAGGACC GAGTCCCTAAACCGCTCCATAGAGAAGAGTAACAGTGTGAAGAAATCCCAGCCAGACTTG CCCATCTCCAAGATTGATCAGTGGCTGGAACAATACACCCAGGCCATCGAGACCGCTGGC CGGACCCCAAGCTAGCCCGCCAGGCCTCCATAGAGCTGCCAGCATGGCTGTGGCCAGT ACCAAGAGTCGGTGGGAGACGGGTGAGGTACAGGCTCAGTCTGCGGCCAAGACTCCGTCC TGCAAGGATATTGTGGCTGGAGACATGAGCAAGAAAAGCCTCTGGGAGCAGAAGGGAGGC TCCAAGACCTCATCAACAATTAAGAGCACCCCATCTGGGAAGAGGTATAAGTTTGTGGCC ACCGGGCATGGGAAGTATGAGAAGGTGCTTGTGGAAGGGGGCCCGCTCCCTAG
Restriction Sites:	Please inquire
ACCN:	NM_001013253
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).



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**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\\_001013253.1](#), [NP\\_001013271.1](#)

**RefSeq Size:** 1842 bp

**RefSeq ORF:** 834 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 (2) contains an alternate exon and lacks two exons in the 5' region, and uses a downstream start codon, compared to variant 5. The resulting protein (isoform 2) has a shorter N-terminus compared to isoform 3. Variants 2, 3, 4 and 6 encode the same protein (isoform 2).