

## Product datasheet for **RC234186**

### LSP1 (NM\_001242932) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LSP1 (NM_001242932) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LSP1
Synonyms:	pp52; WP34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC234186 representing NM\_001242932  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCCGATCTGGTCCCCACCTGGCAGGGTCTCCGGCTGTACCTGAGTTCAGGACCAGCACCAGGAT  
 CTGCAGTGGGCCCTGGCTGGGCACACCTCATCCAGCCTCCCCCTACCCCTGGCCCCCATAAGCCTCC  
 TCCTCCTGGGCTTCCAGGCTCTGCTGGTCAACCTCCCTCCCTGCCAACGGGAATGTGTTTTCCAGGG  
 GACGCTGTGTCCACCAGGAGCTCTGTGGCCTGGGATTTGAGGAGTGCCTGGGGTCAATCCCCAGGCTC  
 ACCAGTGTACTTAACAAATGGGCCAAGAGAAGGAAGTGCAGCCCCGGAGGAGGGGCAGAGCCCTGC  
 CTGGCTGTGCGGTGGCTCACCCCTTGTACCAGGGGCTCGGCCATGAGCATCCGTCCAGCGGGCCAGC  
 ACCAACTGCAGCCCCAGGCCACTGCTCAGTGGAGCGTGGAGGACGAGGAGGAGGCCGTCCACGAGCAAT  
 GCCAGCATGAGAGAGACAGGCAGCTTCAGGCCAGGACGAGGAGGAGGGCCATGTCCCCGAGCGGCC  
 GAAGCAGGAGATGCTCCTCAGCCTGAAGCCTCGGAGGCCCTGAACTGGATGAGGACGAGGGCTTTGGC  
 GACTGGTCCCAGAGGCCAGAGCAGCGGCAGCAGCACGAGGGGGCCAGGGCGCCTTGGACAGCGGAGAGC  
 CCCCCAGTGCAGGAGTCTGAGGGGGAGCAAGAGGACAGGCCCGGCCTGCATGCCTACGAAAAGGAGGA  
 CAGTGTGAAGTCCACCTGGAGGAGTTGAGTCTGAGCAAGGAGGGGCCAGGCCAGAGGACACTGTCCAG  
 GACAACCTGGGGGCCGAGGGGCTGAGGAGGAACAGGAGGAGCACCAGAAATGTCAGCAGCCCAGGACAC  
 CCAGCCCCCTTGGTCTTGGAGGGGACCATCGAACAGAGCTCGCCTCCCCTGAGCCCTACCACAAACTCAT  
 CGACAGGACCGAGTCCCTAAACCCTCCATAGAGAAGAGTAACAGTGTGAAGAAATCCAGCCAGACTTG  
 CCCATCTCAAGATTGATCAGTGGCTGGAACAATACACCAGGCCATCGAGACCGCTGGCCGGACCCCA  
 AGCTAGCCCGCCAGGCCCTCCATAGAGCTGCCAGCATGGCTGTGGCCAGTACCAAGAGTGGTGGGAGC  
 GGGTGAGGTACAGGCTCAGTCTGCGGCCAAGACTCCGTCCTGCAAGGATATTGTGGCTGGAGACATGAGC  
 AAGAAAAGCCTCTGGGAGCAGAAGGAGGCTCCAAGACCTCATCAACAATTAAGAGCACCCCATCTGGGA  
 AGAGGTATAAGTTTGTGGCCACCGGCATGGGAAGTATGAGAAGTGCTTGTGGAAGGGGCCCGCTCC  
 C

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC234186 representing NM\_001242932  
 Red=Cloning site Green=Tags(s)

MAPIWSPGRVSGCHLSSGPAPGSAVGPWLGTPHPSLPLPLAPHKPPPPGLPGSAGQTSLPAQRECVFPG  
 DAAVHQELCGLGFEECLGSIPQAHQCYLTNGPKRRKCSPPRRRGRAPAWLCGGSPCHQGLGHEHPSSGPS  
 TNCSPRPTAQWSVEDEEEAVHEQCQHERDRQLQAQDEEGGGHVPERPQEMLLSLKPSEAPELDEDEGFG  
 DWSQRPEQRQHEGAQGALDSGEPQCRSPEGEQEDRPGLHAYEKEDSDEVHLEELSLSKEGPGPEDTVQ  
 DNLGAAGAEQEEHQKQQRTPSPLVLEGTIEQSSPPLSPTTKLIDRTESLNRSIEKSNSVYKKSQPD  
 PISKIDQWLEQYTAIETAGRTPKLARQASIELPSMAVASTKSRWETGEVQAQSAAKTPSCKDIVAGDMS  
 KKSLEWQKGGKTSSTIKSTPSGKRYKFVATGHGKYEKVLVEGGPAP

**TR**TRPLEQ**KL**ISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001242932

**ORF Size:** 1401 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001242932.1](#), [NP\\_001229861.1](#)

**RefSeq Size:** 2036 bp

**RefSeq ORF:** 1404 bp

**Locus ID:** 4046

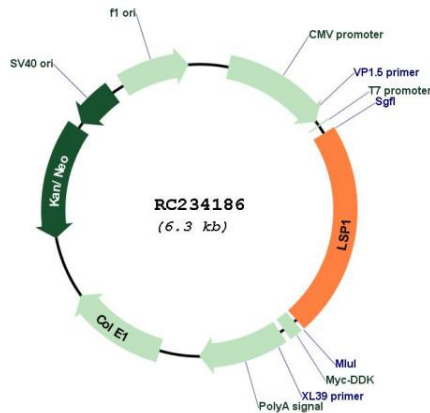
**UniProt ID:** [P33241](#)

**Cytogenetics:** 11p15.5

**MW:** 50.8 kDa

**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]

**Product images:**



Circular map for RC234186