

Product datasheet for **RG234186**

LSP1 (NM_001242932) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LSP1 (NM_001242932) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LSP1
Synonyms:	pp52; WP34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG234186 representing NM_001242932
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCCGATCTGGTCCCCACCTGGCAGGGTCTCCGGCTGTACCTGAGTTCAGGACCAGCACCAGGAT
 CTGCAGTGGGCCCTGGCTGGGCACACCTCATCCAGCCTCCCCACCCTGGCCCCCATAAGCCTCC
 TCCTCCTGGGCTTCCAGGCTCTGCTGGTCAGACCTCCCTCCCTGCCAACGGGAATGTGTTTTCCAGGG
 GACGCTGTCTCCACCAGGAGCTCTGTGGCCTGGGATTTGAGGAGTGCCTGGGGTCAATCCCCAGGCTC
 ACCAGTGTACTTAACAAATGGGCCAAGAGAAGGAAGTGCAGCCCCGGAGGAGGGGCAGAGCCCTGC
 CTGGCTGTGCGGTGGCTCACCCCTTGTACCAGGGGCTCGGCCATGAGCATCCGTCAGCGGGCCAGC
 ACCAACTGCAGCCCCAGGCCACTGCTCAGTGGAGCGTGGAGGACGAGGAGGAGGCCGTCACGAGCAAT
 GCCAGCATGAGAGAGACAGGCAGCTTCAGGCCAGGACGAGGAGGAGGGCCATGTCCCCGAGCGGCC
 GAAGCAGGAGATGCTCCTCAGCCTGAAGCCTCGGAGGCCCTGAACTGGATGAGGACGAGGGCTTTGGC
 GACTGGTCCCAGAGGCCAGAGCAGCGGCAGCAGCACGAGGGGGCCAGGGCGCCTTGACAGCGGAGAGC
 CCCCCAGTGCAGGAGTCTGAGGGGGAGCAAGAGGACAGGCCCGGCCTGCATGCCTACGAAAAGGAGGA
 CAGTGATGAAGTCCACCTGGAGGAGTTGAGTCTGAGCAAGGAGGGGCCAGGCCAGAGGACACTGTCCAG
 GACAACCTGGGGGCCGAGGGGCTGAGGAGGAACAGGAGGAGCACCAGAAATGTCAGCAGCCAGGACAC
 CCAGCCCTTGGTCTTGGAGGGGACCATCGAACAGAGCTCGCCTCCCCTGAGCCCTACCACAAACTCAT
 CGACAGGACCGAGTCCCTAAACCCTCCATAGAGAAGAGTAACAGTGTGAAGAAATCCAGCCAGACTTG
 CCCATCTCAAGATTGATCAGTGGCTGGAACAATACACCAGGCCATCGAGACCCTGGCCGGACCCCA
 AGCTAGCCCGCCAGGCCCTCCATAGAGCTGCCAGCATGGCTGTGGCCAGTACCAAGAGTGGTGGGAGAG
 GGGTGAAGTACAGGCTCAGTCTGCGGCCAAGACTCCGTCCTGCAAGGATATTGTGGCTGGAGACATGAGC
 AAGAAAAGCCTCTGGGAGCAGAAGGAGGCTCCAAGACCTCATCAACAATTAAGAGCACCCCATCTGGGA
 AGAGGTATAAGTTTGTGGCCACCGGCATGGGAAGTATGAGAAGTGCTTGTGGAAGGGGCCCGCTCC
 C

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234186 representing NM_001242932
 Red=Cloning site Green=Tags(s)

MAPIWSPPRVSGCHLSSGPAPGSAVGPWLGTPHPSLPLPLAPHKPPPPGLPGSAGQTSIPAQRECVFPG
 DAAVHQELCGLGFEECLGSIPOAHQCYLTNGPKRRKCSRRRRGRAPAWLCGGSPCHQGLGHEHPSSGPS
 TNCSRPRTAQWSVEDEEEAVHEQCQHERDRQLAQDEEGGGHVPERPKQEMLLSLKPSAPELDEDEGFG
 DWSQRPEQRQHEGAQGALDSGEPQCRSPEGEQEDRPLHAYEKEDSDEVHLEELSLKEGPGPEDTVQ
 DNLGAAGAEQEEHQKQQRTPSPLVLEGTIEQSSPPLSPTTKLIDRTESLNRSIEKSNSVKKSQPD
 PISKIDQWLEQYTAIETAGRTPKLARQASIELPSMAVASTKSRWETGEVQAQSAAKTPSCKDIVAGDMS
 KKSLWEQKGGSKTSSTIKSTPSGKRYKFVATGHGKYEKVLVEGGPAP

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-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

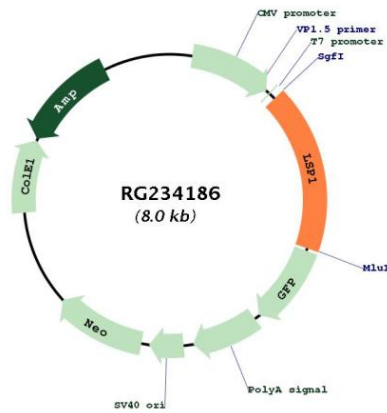
Locus ID: 4046

UniProt ID: [P33241](#)

Cytogenetics: 11p15.5

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 RG234186