

Product datasheet for **RG237109**

LSP1 (NM_001289005) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LSP1 (NM_001289005) 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)
ORF Nucleotide Sequence:	>RG237109 representing NM_001289005. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTCCTCAGCCTGAAGCCCTCGGAGGCCCTGAACTGGATGAGGACGAGGGCTTTGGCGACTGGTCC
CAGAGGCCAGAGCAGCGGCAGCAGCACGAGGGGGCGCAGGGCGCCTTGGACAGCGGAGAGCCCCCAG
TGCAGGAGTCCTGAGGGGAGCAAGAGGACAGGCCCGCCTGCATGCCTACGAAAAGGAGGACAGTGAT
GAAGTCCACCTGGAGGAGTTGAGTCTGAGCAAGGAGGGGCCAGGCCAGAGGACACTGTCCAGGACAAC
CTGGGGGCCCGAGGGCTGAGGAGGAACAGGAGGAGCACCAGAAATGTCAGCAGCCAGGACACCCAGC
CCCTTGGTCTTGGAGGGACCATCGAACAGAGCTCGCCTCCCCTGAGCCCTACCACAAACTCATCGAC
AGGACCGAGTCCCTAAACCGCTCCATAGAGAAGAGTAACAGTGTGAAGAAATCCCAGCCAGACTTGCC
ATCTCAAAGATTGATCAGTGGCTGGAACAATACCCAGGCCATCGAGACCGCTGGCCGGACCCCAAG
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GGTGGGTACAGGCTCAGTCTGCGGCCAAGACTCCGTCCTGCAAGGATATTGTGGCTGGAGACATGAGC
AAGAAAAGCCTCTGGGAGCAGAAGGGAGGCTCCAAGACCTCATCAACAATTAAGAGCACCCCATCTGGG
AAGAGGTATAAGTTTGTGGCCACCGGCATGGGAAGTATGAGAAGGTGCTTGTGGAAGGGGGCCCGCT
CCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



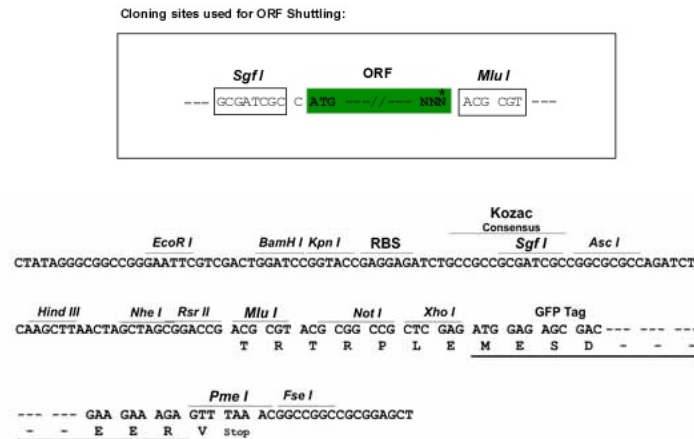
[View online »](#)

Protein Sequence: >Peptide sequence encoded by RG237109
 Blue=ORF Red=Cloning site Green=Tag(s)

MLLSLKPSEAPELDEDEFGDWSQRPEQRQQHEGAQGALDSGEPQCRSPEGEQEDRPGLHAYEKEDSD
 EVHLEELSLKEGPGPEDTVQDNLGAAGAEQEEHQKCCQPRTPSPLVLEGTIEQSSPPLSPTTKLID
 RTESLNRSIEKSNVKKSQPDLPI SKIDQWLEQYTQAIETAGRTPKLARQASIELPSMAVASTKSRWET
 GEVQAQSAAKTPSCKDIVAGDMSKSLWEQKGGSKTSSSTIKSTPSGKRYK FVATGHGKYEVLVEGGPA
 P
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001289005

ORF Size: 831 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).

RefSeq: [NM_001289005.1](#), [NP_001275934.1](#)

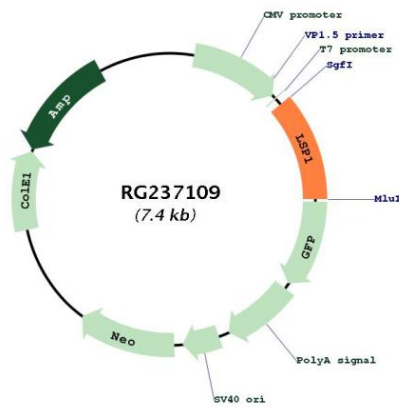
RefSeq Size: 1882 bp

RefSeq ORF: 834 bp

Locus ID: 4046
 UniProt ID: [P33241](#)
 Cytogenetics: 11p15.5
 MW: 30.7 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 RG237109