

Product datasheet for RC237109

LSP1 (NM_001289005) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: LSP1 (NM_001289005) Human Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: LSP1
 Synonyms: pp52; WP34
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RC237109 representing NM_001289005
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCCTCAGCCTGAAGCCCTCGGAGGCCCTGAACTGGATGAGGACGAGGGCTTTGGCGACTGGTCCC
 AGAGGCCAGAGCAGCGGCAGCAGCACGAGGGGGCGCAGGGCGCCTTGACAGCGGAGAGCCCCCAGTG
 CAGGAGTCTGAGGGGAGCAAGAGGACAGGCCCGCCCTGCATGCCTACGAAAAGGAGGACAGTGATGAA
 GTCCACCTGGAGGAGTTGAGTCTGAGCAAGGAGGGCCAGGCCAGAGGACACTGTCCAGGACAACCTGG
 GGGCCGACAGGGGCTGAGGAGGAACAGGAGGAGCACCAGAAATGTCAGCAGCCAGGACACCCAGCCCTT
 GGTCTTGAGGGGACCATCGAACAGAGCTCGCCTCCCCTGAGCCCTACCACAAACTCATCGACAGGACC
 GAGTCCCTAAACCGCTCCATAGAGAAGAGTAACAGTGTGAAGAAATCCCAGCCAGACTTGCCCATCTCCA
 AGATTGATCAGTGGTGGAAACAATACCCAGGCCATCGAGACCCTGGCCGACCCCAAGCTAGCCCG
 CCAGGCCCTCCATAGAGCTGCCAGCATGGCTGTGGCCAGTACCAAGAGTCGGTGGGAGACGGGTAGGTA
 CAGGCTCAGTCTCGGCCAAGACTCCGTCCTGCAAGGATATTGTGGCTGGAGACATGAGCAAGAAAAGCC
 TCTGGGAGCAGAAGGGAGGCTCCAAGACCTCATCAACAATTAAGAGCACCCCATCTGGGAAGAGGTATAA
 GTTTGTGCCACCGGCCATGGGAAGTATGAGAAGTGCTTGTGGAAGGGGCCCCGGCTCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC237109 representing NM_001289005
Red=Cloning site Green=Tags(s)

MLLSLKPSEAPELDEDEGFGDWSQRPEQRQQHEGAQGALDSGEPQCRSPEGEQEDRPGLHAYEKEDSDE
 VHLEELSLSKEGPGPEDTVQDNLGAAGAEQEEHQKCCQPRTPSPLVLEGTIEQSSPPLSPTTKLIDRT
 ESLNRSIEKSNVKKSQPDLPIKIDQWLEQYTQAIETAGRTPKLARQASIELPSMAVASTKSRWETGEV
 QAQSAAKTPSCKDIVAGDMSKSLWEQKGGSKTSSTIKSTPSGKRYKFVATGHGKYEVLVVEGGPAP

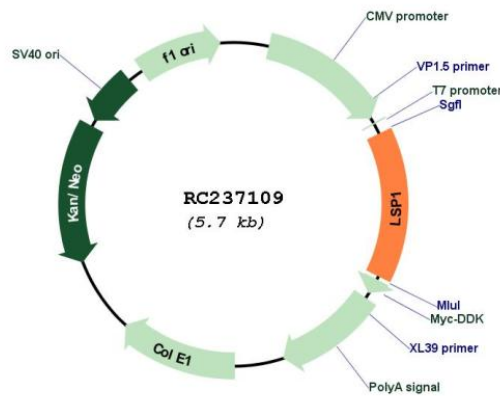
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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).
Reconstitution Method:	<ol style="list-style-type: none">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_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]