

Product datasheet for RC214152

LSP1 (NM_001013254) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LSP1 (NM_001013254) 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:	>RC214152 representing NM_001013254 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTCCTCAGCCTGAAGCCCTCGGAGGCCCTGAACTGGATGAGGACGAGGGCTTTGGCGACTGGTCCC
AGAGGCCAGAGCAGCGGCAGCAGCACGAGGGGGCGAGGGCGCCTTGACAGCGGAGAGCCCCCAGTG
CAGGAGTCTGAGGGGAGCAAGAGGACAGGCCCGCCCTGCATGCCTACGAAAAGGAGGACAGTGATGAA
GTCCACCTGGAGGAGTTGAGTCTGAGCAAGGAGGGCCAGGCCAGAGGACACTGTCCAGGACAACCTGG
GGCCCGCAGGGGCTGAGGAGGAACAGGAGGAGCACCAGAAATGTCAGCAGCCAGGACACCCAGCCCTT
GGTCTTGAGGGGACCATCGAACAGAGCTCGCCTCCCCTGAGCCCTACCACAAACTCATCGACAGGACC
GAGTCCCTAAACCGCTCCATAGAGAAGAGTAACAGTGTGAAGAAATCCCAGCCAGACTTGCCCATCTCCA
AGATTGATCAGTGGTGGAAACAATACCCAGGCCATCGAGACCCTGGCCGGACCCCAAGCTAGCCCG
CCAGGCCCTCCATAGAGCTGCCAGCATGGCTGTGGCCAGTACCAAGAGTCGGTGGGAGACGGGTGAGGTA
CAGGCTCAGTCTCGGCCAAGACTCCGTCCTGCAAGGATATTGTGGCTGGAGACATGAGCAAGAAAAGCC
TCTGGGAGCAGAAGGGAGGCTCCAAGACCTCATCAACAATTAAGAGCACCCCATCTGGGAAGAGGTATAA
GTTTGTGCCACCGGGCATGGGAAGTATGAGAAGTGCTTGTGGAAGGGGCCCCGGCTCCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC214152 representing NM_001013254
Red=Cloning site Green=Tags(s)

MLLSLKPSEAPELDEDEGFQDWSQRPEQRQHEGAQGALDSGEPQCRSPEGEQEDRPGLHAYEKEDSDE
 VHLEELSLSKEGPGPEDTVQDNLGAAGAEQEEHQKCCQPRTSPVLVLEGTIEQSSPPLSPTTKLIDRT
 ESLNRSIEKSNVKKSQPDLPIKIDQWLEQYTQAIETAGRTPKLARQASIELPSMAVASTKSRWETGEV
 QAQSAAKTPSCKDIVAGDMSKSLWEQKGGSKTSSTIKSTPSGKRYKFVATGHGKYEVKLVVEGGPAP

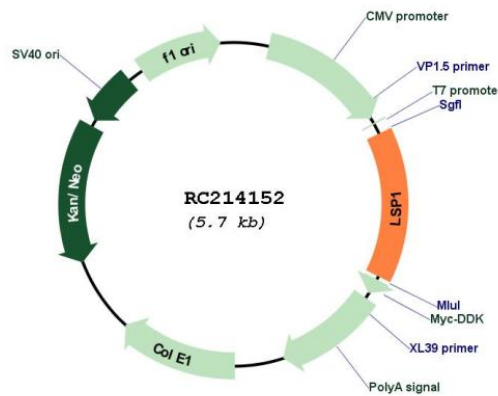
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001013254
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_001013254.1 , NP_001013272.1
RefSeq Size:	2072 bp
RefSeq ORF:	834 bp
Locus ID:	4046
UniProt ID:	P33241
Cytogenetics:	11p15.5
MW:	30.2 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]