

Product datasheet for **MR229247**

Lsp1 (NM_001271509) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lsp1 (NM_001271509) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lsp1
Synonyms:	Lsp-1; p50; pp52; WP34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229247 representing NM_001271509 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGGCTGCCATCGATCCCAGATGCGAGGAACAGGAAGAGCTCCATGCAGAAGACAGCGAAGGGC
TCACAACCTCAGTGGAGAGAAGAAGACGAGGAAGAGGCTGCCCGTGAGCAGCGTCAACGGGAGCGAGAGAG
GCAGCTACAGGACCAGGACAAAGATAAAGAAGATGATGGTGGCCATTCCTGGAACAGCCAGGACAGCAG
ACACTCATCAGCCTGAAGTCCTCTGAAGTGGATGAAGATGAGGGTTTTGGTGACTGGTCCCAAAAGCCGG
AGCCACGCGCAGCAATTCTGGGGGAATGAGGGGACTGCAGAAGGGACTGAACCTCTCAAAGCGAGAGACC
AGAGGAGAAACAAACAGAGGAGAGTTCTCACCAAGCCAAAGTCCACTTGGAGGAGTCAAACCTGAGCTAC
AGGGAGCCCGATCCAGAGGATGCTGTTGGGGTCTGGGGAGGCGGAAGAGGTCAGGACCCCGACCCCTT
TGGCCTTAGAAGACACCGTTGAGCTGAGTTCACCTCCCCTGAGCCCTACCACAAACTGGCTGATAGGAC
CGAGTCCCTGAACCGCTCCATTAAGAGAGCAACAGTGTGAAGAAGTCTCAACCAACCTTGCCCATTTCC
ACAATTGATGAACGCCTGCAGCAGTATACCCAGGCCACTGAGTCTTCTGGCCGAACCTCTAAGCTGTCCC
GCCAGCCCTCCATAGAGCTGCCAGCATGGCCGTAGCCAGTACCAAGACTCTTTGGGAAACAGGAGAAGT
GCAGAGTCAGTCTGCTTCTAAGACACCTCCTGCCAGGATATAGTAGCTGGAGACATGAGCAAGAAAAGT
CTGTGGGAGCAGAAAGGAGGCTCCAAGATCTCATCCACCATCAAGAGCACCCCATCTGAAAGCGGTACA
AGTTCGTGGCCACTGGACATGGGAAGTACGAGAAAGTACTTGTGGATGAGGGCTCAGCACCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229247 representing NM_001271509
 Red=Cloning site Green=Tags(s)

MAEAAIDPRCEEQEELHAEDSEGLTTQWREDEEEAAREQQRERERQLQDQDKDKEDDGGHSLEQPGQQ
 TLISLKSSELDEDEFGDWSQKPEPRQQFWGNEGTAEGTEPSQSERPEEKQTESSHQAKVHLEESNLSY
 REPDPEAVGGSGEAEVVRTPSPLALEDTVLSSPPLSPTTKLADRTESLNRSIKKSNSVKKSQPTLPIS
 TIDERLQQYTQATESSGRTPKLSRQPSIELPSMAVASTKTLWETGEVQSQSASKTPSCQDIVAGDMSKKS
 LWEQKGGSKISSTIKSTPSGKRYKFVATGHGKYEKVLVDEGSAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001271509

ORF Size: 972 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_001271509.1](#), [NP_001258438.1](#)

RefSeq Size: 1712 bp

RefSeq ORF: 975 bp

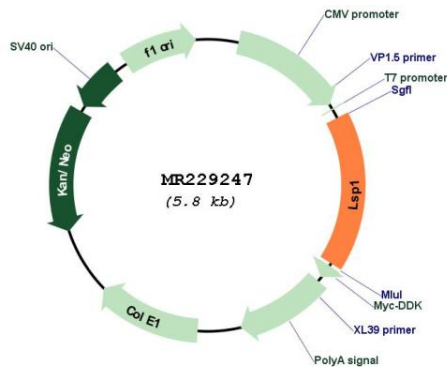
Locus ID: 16985

Cytogenetics: 7 87.93 cM

MW: 36.4 kDa

Gene Summary: May play a role in mediating neutrophil activation and chemotaxis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR229247