

Product datasheet for **MG220296**

Lsp1 (NM_001136071) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lsp1 (NM_001136071) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lsp1
Synonyms:	Lsp-1; p50; pp52; WP34
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220296 representing NM_001136071 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGAGGCTGCCATCGATCCCAGATGCGAGGAACAGGAAGAGCTCCATGCAGAAGACAGCGAAGGGC
TCACAACCTCAGTGGAGAGAAGAAGACGAGGAAGAGGCTGCCCGTGAGCAGCGTCAACGGGAGCGAGAGAG
GCAGCTACAGGACCAGGACAAAGATAAAGAAGATGATGGTGGCCATTCCTGGAACAGCCAGGACAGCAG
ACACTCATCAGCCTGAAGTCCTCTGAACCTGGATGAAGATGAGGGTTTTGGTGACTGGTCCAAAAGCCGG
AGCCACGCGCAGCAATTCTGGGGGAATGAGGGGACTGCAGAAGGGACTGAACCTCTCAAAGCGAGAGACC
AGAGGAGAAACAAACAGAGGAGAGTTCTCACCAAGCCAAAGTCCACTTGGAGGAGTCAAACCTGAGCTAC
AGGGAGCCCGATCCAGAGGATGCTGTTGGGGTCTGGGGAGGCGGAAGAGCATCTGATACGTCATCAGG
TCAGGACCCCCAGCCCTTTGGCCTTAGAAGACACCGTTGAGCTGAGTTACCTCCCTGAGCCCTACCAC
CAAACCTGGCTGATAGGACCGAGTCCCTGAACCGCTCCATTA AAAAGAGCAACAGTGTGAAGAAGTCTCAA
CCAACCTTGCCATTTCCACAATTGATGAACGCCTGCAGCAGTATACCCAGGCCACTGAGTCTTCTGGCC
GAACTCCTAAGCTGTCCCGCCAGCCCTCCATAGAGCTGCCAGCATGGCCGTAGCCAGTACCAAGACTCT
TTGGGAAAACAGGAGAAGTGCAGAGTCAGTCTGCTTCTAAGACACCCTCCTGCCAGGATATAGTAGCTGGA
GACATGAGCAAGAAAAGTCTGTGGGAGCAGAAAGGAGGCTCCAAGATCTCATCCACCATCAAGAGCACCC
CATCTGGAAAAGCGGTACAAGTTCGTGGCCACTGGACATGGGAAGTACGAGAAAAGTACTTGTGGATGAGGG
CTCAGCACCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220296 representing NM_001136071
 Red=Cloning site Green=Tags(s)

MAEAAIDPRCEEQEELHAEDSEGLTTQWREDEEEAAREQQRERERQLQDQDKDKEDDGGHSLEQPGQQ
 TLISLKSELEDEDEFGDWSQKPEPRQQFWGNEGTAEGTEPSQSERPEEKQTEESSHQAKVHLEESNLSY
 REPDPEDAVGSGSEAEHLIRHQVRTPSPLALEDTVLSSPPLSPTTKLADRTESLNRSIKKSNSVKKSQ
 PTLPISTIDERLQQYTQATESSGRTPKLSRQPSIELPSMAVASTKTLWETGEVQSQSASKTPSCQDIVAG
 DMSKSLWEQKGGSKISSTIKSTPSGKRYKFVATGHGKYEVLVDEGSAP

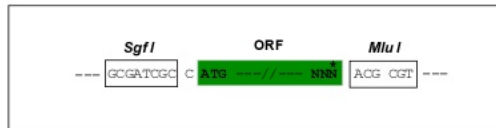
TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja1568_c01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_001136071

ORF Size: 990 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_001136071.2](#), [NP_001129543.1](#)

RefSeq Size: 1403 bp

RefSeq ORF: 993 bp

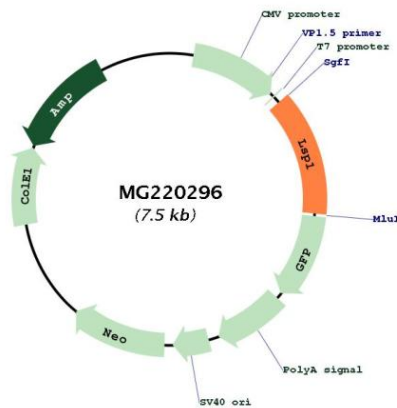
Locus ID: 16985

UniProt ID: [P19973](#)

Cytogenetics: 7 87.93 cM

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

Product images:



Circular map for MG220296