

Product datasheet for **MC220034**

Lsg1 (NM_178069) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lsg1 (NM_178069) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lsg1
Synonyms:	5830465I20; AA409273; D16Bwg1547e
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220034 representing NM_178069
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGTCGGAGACGAGCGCCGGTGGTGGGTCCCTGGGCCGAGTACTTATCCGGCAGCAGACTCAGCGAA
 GCCGCAGCCACCGTCATACTGACTCCTGGCTGCATACAAGTGAAGTCAATGATGGCTATGACTGGGGTCG
 TCTGAATCTTCAGTCTGTGACAGAGCAGAGCTCCCTGGAGGACTTTCTTGCAACTGCAGAACTTGCAGGG
 ACCGAGTTTGGCTGAGAAGCTGAATATTAAGTTTGTACCCCTGAGGCTAGAACCAGGACTGCTGTCTT
 TTGAGGAGAGCCAGAGAATTAAGAACTCCACGAAGAAAACAGACAGTTCCTGTGTATACCAAGGAGGCC
 AAATTGGGACAGAAAACTAGCCAGAAGAACTGAAACAAGCAGAGAAAGATAACTTCCTGAAATGGAGG
 CGCCAGCTGTGCGGCTAGAAGAGGAACAGAAGTTGATATTGACTCCCTTGAACGGAATTGGACTTCT
 GGCAGCTCTGGAGGGTCATTGAGAGAAGTATTTGGTCCAGATCGTAGATGCTCGAAACCCGCT
 CCTGTTTAGATGTGAGGATTTGGAGTGTACGTGAAAGAGATCGATGCTGCCAAGGAGAAGTGTATCCTG
 ATAAACAAGGCAGACTTGTCTGACTGCTGAGCAGCGGTTTGCCTGGGCTGTGCACTTTGAAAAGGAAGGGG
 TAAAGTTATCTTCTGGTCAGCTTTGGCAGAACTGATACCTAAATGGTGAAGGAGGAAGTAGA
 CAGTGTGCTGGAGACACCAACAAAACAGAGTCTGAAAGTCCAGTTTGGATGCGAATGAAATCCCACAC
 AGAGACTTGATCTCGCTTAGTGAGGAGTCCGCAAGTGACAGTGGTACAGCAAATATGAGGACTGTCAGG
 AGGACGAAGAGGAAGATTGGCAGACGTGTTGAGAAGAAGCAGCGTCCCTGAGGAGGAGGAGGGCTGTAA
 TGCGGATTCTGAGACTCAGAACAGAAAAACGCAGAAAATCAACAAGTGAACAATGATAGCTACCTGGTG
 TCGAAACAGGAATTACTGGAACCTTTAAGAACTCCACTGGAAGAAAAGTGAAGATGGACAGCTAA
 CTGTTGGGCTGGTGGCTACCTAATGTTGGTAAGAGCTCAACCATCAACACCATCATGGGCAACAAGAA
 AGTATCGGTGTCTGCCACGCCAGGCCACCAAGCATTTCAGACCCCTGTACGTGGAGCCTGGCCTCTGC
 CTGTGTACTGCCCGGGCCTGGTATGCCATCTTTCGTGTCCACCAAAGCAGAGATGATTTGCAATGGGA
 TCCTCCCTATCGACCAGATGAGAGACCAGTTCACCCGTATCACTAGTTTGGCAGAATATCCCACGGCG
 AGTTTTGGAAGTGACATATGGTATTAACATTATAAAGCCTAGAGAAGATGAAGACCCCTACCGACTCCA
 ACCTCAGAAGAACTGTTGACGGCTTATGGATGCATGAGAGGATTCATGACAGCACATGGGCGCCAGACC
 AGCCTCGATCTGCACGGTACATCTAAAGGACTATGTTGGAGGTAAGTACTGTATTGCCACCCTCTCC
 TGGAAAAGACCCTGTGGCGTTCAGCACCAACACCAGCAGCTCCTAGAGAGCAAAGTAAAAGGTGGAGAA
 CTGAGACTTCAGCCGGGCAAGGCCGAAAAGCCAAACAGATCGAAAATGTAGTCGACAAAACCTTTTTTCC
 ATCAGGAGAACGTCAGAGCACTGACAAAAGGTGTCCAGGCTGTCATGGGTACAAGCCCGGGCATGGCCT
 GGTGACTGCGGCTGCTGCGAGCGCTGAGAATGTACCTGGGAAGCCCTGGAAAAACACGGTAACAGAAAC
 AAAAAAGAGAAAAGCCGTAGGCTCTACAAGCACCTGGATGT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_178069
- Insert Size:** 1935 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_178069.5](#), [NP_835170.1](#)

RefSeq Size: 2373 bp

RefSeq ORF: 1935 bp

Locus ID: 224092

UniProt ID: [Q3UM18](#)

Cytogenetics: 16 21.34 cM

Gene Summary: GTPase required for the XPO1/CRM1-mediated nuclear export of the 60S ribosomal subunit. Probably acts by mediating the release of NMD3 from the 60S ribosomal subunit after export into the cytoplasm (By similarity).[UniProtKB/Swiss-Prot Function]