

Product datasheet for **RN200747**

Lsg1 (NM_001013421) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lsg1 (NM_001013421) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lsg1
Synonyms:	RGD1309089
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200747 representing NM_001013421
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGCCGGAGAAGACGCCGGGTGGTGGTCACTGGTCCGGTACTTATCCGGCATCAGACTCAACGAA
 GCCGCAGTCACCGTCATACTGACTCCTGGCTGCATACGAGTGAACCAATGATGGTTATGATTGGGGACG
 TCTGAATCTTCAGTCAGTGACGGAACAGAGCTCCCTCGAGGACTTTCTTGCAACTGCAGAACTTGCAGGG
 ACGGAGTTCGTGGCTGAGAAGCTTAATATTAAGTTTGTGCCCCCTGAGGCTAGAAGTGGACTGCTGTCTT
 TCGAGGAGAGCCAGAGAATTAAGAGACTCCATGAAGAAAACAGACAGTTCCTGTGTATACCAAGGAGACC
 AAATTGGGACAGAAAACTAGCCCTGAAGAAGTAAACAAGCAGAGAAAGATAACTTTCTAAAATGGAGG
 CGCCAGCTTGCCGGCTAGAAGAAGAACAAGTTGATATTGACTCCCTTGAACGGAATTTGGACTTCT
 GGGCCAGCTCTGGAGGGTCATTGAGAGAAGTATATTGGTCCAGATAGTAGTCTCGGAACCCGCT
 CCTGTTACAGATGTGAGGATTTGGAATGTTACGTGAAGGAGATAGATGCTGCCAAGGAGAATGTGATTCTG
 ATAAACAAGGCAGACTTGTGACTGCTGAGCAGAGGGTTGCCCTGGGCTGTGCACTTTGAGAAAGAAGGTG
 TGAAGGTTATCTTCTGGTCAGCTTTGGCAGAAACCGTTCACCTAAATGGTGAAGTGAAGTAA
 CAGTGTGCTGGAGAAGCCAACAGCTCTGAGTCTGAAGACTCCAGTTTGGACGGGAATGAAATCCACAC
 AGAGACTTGTCTTGTAGTGAGGAGTCCGAAAGTGACGATGACGACAGTGAAGTATGAGGACTGTCAGG
 AGGACGAGGAGGAAGATTGGCAGACGTGTTCTGAAGAAGTAGCAATCCTGAGGAGGGCCAGGAGGAAGG
 GGGCTGTGATCGGACCAGAAGAACACGGTCTGAGGATTCTGAGGCTCAGAGCAGAGCATCACCAGAA
 AATTCACAGATGAGCAACAAGAGCCATCTGGTCTCGAAGCAGGAGTTACTAGAGCTTCAAGAACTCC
 ACCTGGAAGAAGGTGAAAGACGGACAGCTGACTGAGGGCTGGTGGGCTACCTAATGTTGGTAAGAG
 CTAACCATCAACACCATCATGGCAACAAGAAAGTATCGGTGTCTGCCACGCCAGGCCACACCAAGCAT
 TTCCAGACCCTGTACGTGGAGCCAGGCCTCTGTCTGTGTGACTGCCCGCCCTGGTATGCCATCTTTTG
 TGTCTACCAAAGCAGAGATGATTTGCAGTGGGATCCTCCCTATCGACCAGATGAGAGATCACGTTCCGCC
 TGTATCACTAGTTTGCCAGAATATCCCAGGGCAGTTTTGAAGCTACCTATGGCATTAAACATTATAAAG
 CCTGGAGAAGATGAAGACCCCTACCGACCTCCGACCTCAGAAGAGCTGTTGACAGCTTATGGATGCATGC
 GGGGATTCATGACAGCACACGGACAGCCAGACCAGCCTCGGTCTGCACGATACATCTGAAGGACTACGT
 CAGAGGTAACCTCTGTATTGTACCCTCCTCCTGAAAAAGACCCTGTGGCATTCCAGCATCAACACAGG
 CAACTCCTAGAGAACAAAATAAAAGGTGAAGAAGTGAAGGCTTCCAGCCAGGCAAAACCCAAAAGCCAAAC
 AGGTTGAAAATGTAGTCGACAAGACTTTTTCCATCAGGAGAATGTCAGAGCATTGACCAAGGGGTCCA
 GGCTGTATGGGTTACAAGCCCGGGAGTGGCCTGGTACTGCAGCTGCTGCGAGTGTGAGAACGTACCT
 GGAAGCCCTGGAACCAACCGGTAACAGAAACAAAAAGAGAAAAGCCGAGGCTCTACAGGCACCTGG
 ATGTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001013421
- Insert Size:** 1968 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_001013421.1](#), [NP_001013439.1](#)

RefSeq Size: 2283 bp

RefSeq ORF: 1968 bp

Locus ID: 288029

UniProt ID: [Q5BJT6](#)

Cytogenetics: 11q22

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]