

Product datasheet for MC205923

Lrsam1 (NM_199302) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lrsam1 (NM_199302) Mouse Untagged Clone
Tag: Tag Free
Symbol: Lrsam1
Synonyms: MGC56830
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC049146

```
TCGAGACTTTGTCATCCTGAGTTGCGTGTCTTTCTGAAATTTAAAGTTTCGGTGCTCACTTCTATGTTTG
AAGGAGACCGGACACCAGCTCAGCTTTTGGGGCCAATGGTTTGTATCTGTGGCCAAGTCTTCGGAGTGA
CTGGCCTACCTTGAGGTCCACCCAAGAATCGGAACATCGGTGGAGGACCTCCCCATCCACAGAGCCAGGG
TCCAGAAGAGCTCACACCGGAGGATGCCCTCTTCTTTGGAAGCGGAAACCCAGTGAGGAGGCTCGAAA
ACGCCTGGAGTACCAGATGTGTCTGGCAAAAGAAGCTGGGGCAGATGACATTCTCGACATCTCTAAATGT
GAGCTCTCTGAGATTCCATTTGGGGCTTTTGAACGTGCAAAAGTTCTACAGAAAAAGGTGTTGATTGTCC
ATACAAACCACCTCACCTCCCTGCTTCCCAAGTCTGCAGCCTCTTGAGCCTTGTACCATCAAGTTCT
GGATCTCCATGAGAACCAGCTGACAGCCCTTCTGATGACATGGGGCAGCTGACAGTCTGCAGGTATTG
AATGTGGAAAGAAATCAACTCACGCATCTCCCTCGCTCTATTGGGAACCTGCTGCAGCTCCAGACGCTCA
ATGTAAGAGACAACAAGCTGAAGGAGCTTCTGACACCCTGGGGGAGCTGCGGAGCTGCGGACACTCGA
CATTAGTGAGAACGAGATTGAGAGACTTCCCCAGATGCTGGCGCACGTGCGGACCCTGGAGACGCTGAGC
CTCAACGCCTTGGAATGGTCTACCCCCACCAGAGGTGTGTGGCGCTGGCACTGCGGCCGTGCAGCAGT
TCCTCTGCAAAGAGTCAGGACTGGACTATTACCCACCTTCTCAGTACCTGCTGCCAGTCTGGAGCAAGA
TGGAGCAGAGAACACCCAAGACAGCCCCGATGGACCCGCAAGCCGATTCTCCAGGGAGGAGGCTGAATGG
CAGAATCGGTTCTCCGACTACGAGAAGCGGAAGGAGCAGAAGATGCTGGAGAAGCTGGAGTTCGAGCGGC
GCCTGGACCTTGGGCAGCGGGAGCACGCTGAGCTACTGCAGCAGAGCCACAGCCACAAGGACGAGATCCT
GCAGACGGTCAAGCAGGAGCAGACACGGCTAGAGCAGGACCTGAGCGAGCGCCAGCGCTGTCTGGATGCA
GAGCGGCAGCAGCTGCAGGAGCAGCTCAAGCAGACGGAGCAGCATCGCCAGCCGATTTCAGAGACTCC
TGAGGACAACCAGAGGCAAAAGAAGAGTTCTGAGATTCTGAAATCGCTGGAGAATGAGAGAATAAGAAAT
GGAGCAGTTGATGTCCATCACCCAGGAGGAGACAGAGAACCCTCAGGCAGCGTGAGATCGCCGCCGCATG
CAGCAGATGCTGACGGAGAGCTGTAAGAGCCGGCTCATCCAGATGGCCTATGAGTCTCAGAGGCAGAGCC
TGGCGCAGCAGGCTGTTCCAGCATGGCTGAAATGGACAAGCGTTCCAGCAGATTCTGTCTTGGCAGCA
GATGGATCAGAACAAGCCATCAGCCAGATCCTTCAGGAGAGTGTAAATGCAGAAGGCTGCCTTCGAGGCT
CTCCAGGTGAAGAAGGACCTGATGCATCGGCAGATCAGGAACCAGATTAGGCTAATAGAACTGAGTTAC
TGCAGCTGACACAGCTGGAGTTAAAGAGGAAGTCCCTGGACACAGAGACGCTTCAGGAGATGGTCTCAGA
GCAGCGCTGGGCACTCAGCAACCTGCTCCAGCAGCTCCTGAAAGAGAAGAAGCAGCGGGAAGAGGAACTC
```



[View online >](#)

CATGGCATCCTGGCGAATTAGAGGCCAAGAGCGAAACGAAGCAGGAAAATTACTGGCTCATCCAGTACC
AACGGCTTTTAAACCAGAAGCCTTTGTCCTTAAAAGTGCAGGAAGAAGGCATGGAGCGACGGCTGGTGGC
CCTGCTGGTGGAGCTTTCTGCAGAGCACTACCTGCCCTCTTCGCCACCACCGCATCTCACTGGACATG
CTGAGCCGAATGAGCCCCGGAGATCTGGCTAAGGTGGCGTCTCAGAAGCAGGCCGCAACATGAGATCC
TACGGAGAGCCCAGGACCTGCTAGCTGTGCCTAGGGTCCAGCCAGAGTTGAAACCACTCGAGAATGAGGT
CCTTGGTGCCTCGAGCCCCCACAGCTCCCCGGGAGCTCCAAGAGTCAGTGCACCGTCCGCCCCCCCA
GCTGAACCTGGACATGCCGACCTCAGAGTGTGTTGTGTGCCTGGAACGTGAAGCCAGATGGTCTTCCTCA
CCTGTGGCCACGTCTGCTGCTGTGAGCAGTGTGCGCAGCCTCTGCGCACCTGCCCACTGTGCCAGGA
GATCTCCAGCGCTCCGGATCTACCACAGCAGCTGAAGGCACAGCACCTACCAGCCTGGCCCTTCCTT
GGTACCATCTCCACCCTGCTGGACTCCCACCTACCCTCATTCCCAGACTAGGGCAAGACTGCCATAGG
CCTTTGTACCCACCCTGCCACCCGACCCCACTGCTCTGAGCACTAGGCAGCAGGTGGAATGTTT
CTGGCCTGTGACATAGCTATTCTGAACAGTGAACAAAAGACAGGGCAAATCTGCTGGTGGTGGAGCCTG
GGGCAGGGGGCAAGGTCCAGCGTAGGGAGGTGGCCCTGCAGGACTCAGGAATCCATGTTAGTAGCCAAG
CCTCAGCGCTACCCAGCTGTCTGCCCTCCTGGAGGTCCATATCTGTGGAATGTATCAGCCATCCC
GTCCTAAGGTGCACCACTGTCTCTGGGAAGGGTGGGTTGTGCAAGACTCCCAGCACCTTTTGTCTCT
TTCTGAACACCCACCCTCCCATATCTGCATCCTTAGCCTACACAGGCAGTTGATTCAAAAACAGGAGCAC
CAGTAAATCTGACTCCTTGCAGAGTCAACCCTAGGTCCATGAGAACTTGGGAGGGTAGGAGTAGGCAGA
GTCCGGGGAGAGGGCAGCTCTTCTGGGAAAAGGGCGAGAGCTGCTGCCCTGGGTGAGAGGAAGGCAA
CAGAAACATTGCCCATGGAGAGTTAGGCAACACCCTCTTGAAGAGGGCGAGGGGAACAGAGCCAGAGA
TGGGGTCTCATTATTTATTTATAAGTAGCCTGTGCTCATGGGACAGGTTGTGTTCTGCAATGATTATC
CTAGGTGAGGGGCTGCTGAGGCAACTGGAAGGCATGTTAACTTTAGAGGGGACAGCCACCCTCACCAG
CTGTAGTGAAGGTTCCATGTGACATGGCACCTACTGCCCTCCCAGTATAGTGTATATGGCCTACAGC
ATGTGCTCAACAAATATTACTACTTGACTGGCTCTGGGGAACTAGACATTAGCACCTAGTCAAGCCTG
GAGGCCACCCTCATGGTGGACACATGGGACTGATGAGCCATCAGAAGGCTAGTCACCTGAAAGCTCATG
GCCTCTCCCTTCTTTCTGAGCCTCAGTTTCTCCCTCTAAAATAGGGGATTGTAAGAATGAGTTAGAGAA
AGAGGCCTCAGTACATTAGTTGTCAATTTGGAAGTCTGGCTCCCCAGATCTCACAGAGCCAGGCCAGTACA
TGTAATCAAAGTACTGAGGAAGCTGAAGCCGGCAGACCCTGGGACTCACCAGTCAGCCAAGCTAACCCGAG
TTAGTGAGTTCCAGGCTAATGAGACCTCATCTCAAAACACGAGGCGGAATGATCCGAGATCCTTTGGCTT
CCACATGCACATGTGAATTTGTACCTGTACACACGTGCAGGAACACACTCAGATCAGGGGCTGGTAGCT
CATATGATGAGCCCAAGAGATCTGGGATGAATGGATCCCTAGATACGGTAGGCCAGATCTCCCCACCC
CAGCAGCACATGAGGAAATGAGCTTTAAATAAAGCGTTTATTGATGAGCAGAAAAAAAAAAAAAAAAAAAAA AAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_199302
- Insert Size:** 2184 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: [BC049146](#), [AAH49146](#)

RefSeq Size: 3994 bp

RefSeq ORF: 2184 bp

Locus ID: 227738

UniProt ID: [Q80ZI6](#)

Cytogenetics: 2 B

Gene Summary: E3 ubiquitin-protein ligase that mediates monoubiquitination of TSG101 at multiple sites, leading to inactivate the ability of TSG101 to sort endocytic (EGF receptors) and exocytic (viral proteins) cargos (By similarity). Bacterial recognition protein that defends the cytoplasm from invasive pathogens (By similarity). Localizes to several intracellular bacterial pathogens and generates the bacteria-associated ubiquitin signal leading to autophagy-mediated intracellular bacteria degradation (xenophagy) (By similarity).[UniProtKB/Swiss-Prot Function]