

Product datasheet for **MC218859**

Lmod2 (NM_053098) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lmod2 (NM_053098) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lmod2
Synonyms:	C-Lmod
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218859 representing NM_053098
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTCTACGTTTGGCTACAGAAGGGGACTTAGTAAATATGAATCCATTGATGAGGATGAACCTTCTGGCCT
 CCCTCTCACCTGAAGAGCTGAAGGAGCTTGAGAGGGAGCTGGAAGACATTGAACCTGACCGAAACCTTCC
 TGTGGGGCTAAGGCAAAAGAGTCTGACAGAGAAAACCCCAACAGGAACTTCAGCCGAGAGGCGCTGATG
 GCGTATTGGGAAAAGGAGTCCAAAAACTTTTGGAGAAGGAACGGCTGGGGGAATGTGGAAGGTTGCAG
 AAGAAGACAAGGAAGAGAGTGAAGAGGAATAATTTTACAGAGAGCAACAGCGAAGTCTCTGAGGAGGT
 GTGTACAGAAGATGAGGAAGAGTCTCAGGAGGAAGAAGAGGATAGCGAGGAAGAAGAGGACAGTGAAGAA
 GAGGAAGAGACAACAGAAGCCACAAAACATATTAATGGAAGTGAAGCTACAATAGTGTAAATACTGATA
 ACTCTAAGCCAAAGACATTTAAAAGCCAAATAGAAAATATAAATTTAACCAACGGCAACAGTGAAGAAAC
 ACAGAGGAACTCCGAGTACCAGCGCCATTACCCCTTGTGGAATCCCCTGTTATTGAGGATGCTCTG
 GAAAAGATTAGAAAACATGACCCCTGATACGACAGAAGTTAATCTGAACAATATAGAGAACATCACCAACC
 AGACCTTATCCCATTGCTGAAGCTCTCAAGGAGAACACAGTGGTGAAGACGTTTCAGCCTGGCCAAACAC
 GCACGCTGATGACGCCGCGCGATTGCCATTGCAGACATGCTCAAGGTTAACGAGCACATTACCAGCGTA
 AACGTGGAGTCCAACCTCATCACTGGCAAGGGGATCCTGGCCATCATGAGAGCCCTGCAGCACAACACGG
 TGCTCACGGAGCTGCGCTCCACAACCAGCGGCACATCATGGGCTCTCAGGTGGAGATGGAATTTGCAA
 GCTGCTCAAAGAGAATACCACGCTGCTGAGGCTGGGCTACCATTTTGGAGTCCCAGGACCAAGAATGAGT
 ATGACGAGTATTTTAAACAAGGAATATGGATAAACAGAGGCAAAACGCATGCAGGAGCAAAACAGCAAG
 AGGGGACGATGGAGGAGCTGCTTTAGGACCAAAGTCTGGCAAAGAGGGACACCTGGCTCTTCTCCATA
 TGCATCTCCGAGACAGTCTCCCTGGTCTCTCCCAAAGTCTCCAAGAAAGTCCACACTGGGAGGAGCAGA
 CCTCCATCTCCTGTGGCCCCGCCTCCACCCCTCCCCCTCCTCCTCTCCTCCCCACATGCTGCCTCCTC
 CCCCTCCTCCCCCTGCTCCTCCACTCCCAGAGAAAAGCTCATCACAGAAAACATTGCAGAAGTCATTAA
 ACAACAGGAAAGTGCCAGCGCGCCCTACAAAATGGACAGCGAAAGAAAAAGGGAAAAAGGTTAAGAAA
 CAACCAACAATATCCTAAAGGAAATTAAGAATTCTCTGAGGTGAGTGAAGAGAAGAAAATGGAAGACA
 GCTCCCGACCTCTACCCACAGAGATCAGTTCATGAGAACCTCATGGAAGCCATTCCGGGGAGCAGTAT
 AAGACAGCTACGGAGGTGGAAGTCCCGAAGCTCTGAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_053098
- Insert Size:** 1653 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_053098.2](#), [NP_444328.1](#)

RefSeq Size: 1967 bp

RefSeq ORF: 1653 bp

Locus ID: 93677

UniProt ID: [Q3UHZ5](#)

Cytogenetics: 6 A3.1

Gene Summary: Mediates nucleation of actin filaments and thereby promotes actin polymerization (By similarity). Plays a role in the regulation of actin filament length (PubMed:26487682). Required for normal sarcomere organization in the heart, and for normal heart function (PubMed:26487682, PubMed:27274810).[UniProtKB/Swiss-Prot Function]