

Product datasheet for **MC219242**

Lmod3 (NM_001081157) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lmod3 (NM_001081157) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lmod3
Synonyms:	5430424A14Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219242 representing NM_001081157
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGGGCACAGCAGGAATTCGGAGCAAGAAGACACCTTAGTGAGGAGCTCGATGAAGACGAACTCC
 TAGCCAACCTATCCCCTGAAGAGCTGAAGGAACTGCAGTCAGAGATGGAAGTCATGGCCCTGACCCCA
 CCTTCCTGTGGGGATGATCCAAAAGGATCAAACAGACAAGGCACCCACAGGAACTTCAACCATAAGTCT
 CTCGTTGATTACATGTATTTGCAAAAGCGCTAGACGCATGCTGGAAGATGAACGAGTTCCTGTGAGTT
 TTGTGCAGTCTGAGAAAAACTCAAACCAGCGTGAAGTAGGAGACAAGGGCATTAAAAACATGCCCA
 GTTTTTAAAGAAAAGCTCAATAGTGAAATCCTTGCAAAAAAAGAGAATCAAATGGGAGCAACAATGTA
 CAAGAAGCAGAAGATGATGATGAAGATGAAGAGGAGGAGGAGGAAGATGACGAAGATGAAGAGGAGGAGG
 AAGAAGATGAAGAGGATGATGAAGGGGAAGAGGATGAAGATGGTGAACAAGCCAACAGAGAAAAAATGA
 CGCAAAAGAACAATCCACAACAATCCGGGCACCTACCAGCAACTGGCTACTAAAACAGCGCAGCAGCAA
 AAAGACACATCAGAGACCAAGAAAAAGGTGAGAAGAAAAATAGCCAAATTAGACCCTAAGAAGTTAGCTC
 TAGATACCAGTTTTCTGAAGTAAGTGCCGAGGCCCTCAGGGAACCAAGACAGACCTGGACGGGAGCTTGAG
 ACGAGTGAGACAGAACGACCCCGACATGAAGGAACTCAACCTGAACAACATTGAAAAATCCCTAAAGAA
 ATGTTGCTGGACTTCGTCAATGCCATGAAGAAAAACAACACATCAAAACCTTCAGTTTAGCCAACGTCG
 GTGCTGATGAGAGCGTAGCGTTTGCCCTGGCCAACATGCTGCGGGAAAACAGGAGCGTCACCACCCTCAA
 TATTGAGTCCAACCTTCATCACTGGGAAGGGCATCGTGGCCATCATGAGGTGCCTCCAGTTCAATGAAACG
 CTAACCTGAACCTTCGTTTTACAACCAGAGACATATGCTAGGTACCACGCCGAGATGGAATATCCAGGC
 TTCTGAAGGCCAACACCCTCTGTTGAAGATGGGCTACCATTTGAGCTTCCGGGTCCTCAGAATGGTGGT
 AACGAATCTGCTTACCAGGAACCAGGATAAACGGAGGCAGAAACGACAGGAGGAACAGCAGCAGCAGCAA
 CTTAAAGAGCAGAGAAAGCTGATAGCTATGTTGGAGAATGGGTTGGGGCTGCCCCCTGGGATGTGGGAGA
 GTTGGGAGGACCCATGCCCGACCCAGAATGCAGGAGTCTTCCAGCCTGCATCTGGGCGGCCCTCGA
 TGCTCAGGAAGTCCCCTTTGGTTCAAGAAAGGAAATGATCAAAAAATCCGCCCCAGCCTCCACAGTCAAG
 ACGGACCCTGACTCCTTCAGGGTGGTGAAGCTGAAGAGAATTGAGCGCAATCTCGAATGCCGGAAGCCA
 GAGAGGCACAGGAGAAAACCAACCTCAAAGATGTAATCAAAACGCTCAAGCCAGTGCCGAGAAATAGGCC
 GCCCCCGCTGGTGAATCACTCCAGAGACCAGCTCTTGAATGACATCCGACACAGCAATGTCGCCTAC
 CTTAAACCTGTGCAACTGCCAAAGGAGCTGGAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001081157

Insert Size: 1716 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_001081157.1](#), [NP_001074626.1](#)

RefSeq Size: 2242 bp

RefSeq ORF: 1716 bp

Locus ID: 320502

UniProt ID: [E9QA62](#)

Cytogenetics: 6 D3

Gene Summary: Essential for the organization of sarcomeric actin thin filaments in skeletal muscle (PubMed:25774500, PubMed:26035871). Increases the rate of actin polymerization (By similarity).[UniProtKB/Swiss-Prot Function]