

Product datasheet for **MR216663**

Lmod1 (NM_053106) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lmod1 (NM_053106) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lmod1
Synonyms:	9530015K06Rik; SM-Lmod
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR216663 representing NM_053106
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCAAAGTAGCTAAGTACCGCGGCAGGTGAGTGAAGACCCCGACATCGATAGCCTGCTGTCCACCC
 TCTCCCTGAAGAGATGGAGGAGCTGGAGAAGGAAGTATAGATGTGGTGGACCCAGACGGGAGCATCCCGGT
 GGGGCTGCGGCAGAGGAATCAAACCGACAAACAGCCCTCGGGCTCATTCAACCGGAAGCCATGCTCAAC
 TTCTGTGAAAAGGAGAGCAAGAACTCATCCAGAGAGAGATGTCTGTGGATGAAAGCAAGCAAGTGGGGA
 GGAAGACAGATGCCAAGAATGGAGAGGAGAAGGACAGCGATGCCAGCAGAAAGGCCCCAGGCCCCAGACA
 GGACTCAGACCTGGCAAGGAGCCGAAGAAGGGCGTTTTAAAGAAAAGCTTCTCCAGGGATCGAGAGGAG
 GCCGATGCCAGAGGGGTGAGAAGCCCAAGGAGGAGAAGGTCATCAGAGGTATTGATAAAGGCAGGGTCA
 GGGCTCGGTTGGACGGAAGGAGTCTGGGAAGGATGCCAGAGAAGAGAGGGCAGCCGCTGCAAGGAAGGA
 GGAAGAAAAGACAGGGAGTGTCAAGAACGAGGTCTGAGCAGAGACAAAGACAAGAAGAAAAGAGGTTG
 AAGGAGCCAGCAAGAAAGAGGAGGTGAAACTGACAGCAGAGAGCAGAAACACAGTCGGGAGACGGGAGG
 ACGGGAGGCTGAAAGAGTCAAGCAAGGAGAACAAGAAACCAGAGGATGAGGGCATAGGTTCTGGGGCAG
 AGACTGGAGAAAAGAGGATGAAAAGTTAAGAAGGAAGAAAACCACTGACAAAGAAAGTCAAGGGAAGAG
 AGCAAGACCAAAGCCCGGAGAAACAGGCGCCAGTTGCCCAACAAGCCCTCTGATGGGCAAGCCAGAG
 CAGAAGAGGAAGCAGCTCCCAGCATATTTGATGAACCTCTGGAGAAAGTGAAGAACAACGCCAGAGAT
 GACAGAGGTGAACGTCAACAACCTCAGACTGCATCACCACAGAGATCCTGGTCCGTTTACAGAGGCCCTG
 GAGTTCAACACTGTGGTGAAGGTGTTTGCCTTGGCCAATACTCGGGCTGACGACCATGTGGCCTTTGCAA
 TTGCTATCATGTTAAAGGCCAATAAGACCATCACCAGCCTCAACCTGGACTCCAATCACATCGGCAA
 AGGCATCCTGGCCATCTCCGGGCCCTCCTCAGAACAACACTCTGACAGAGCTGCGCTTTCACAACCCAG
 AGGCACATCTGTGGGGCAAGACTGAGATGGAGATCGCCAAGCTGCTCAAGGAGAACCACCTTGTCTCA
 AGCTGGGCTACCATTTTGGAGCTGGCAGGACCCCGGATGACTGTCACCAATCTGCTCAGCCGAAACATGGA
 CAAGCAGCGACAGAAACGGCTGCAAGAGCAAAGCAGGCCAGGAAGCCAGTGGAGAGAAGAAGGACCGG
 CTGGAGGTACCAAGGTGGGGCTCTGGCAAGGGCTCCCCAAACCTTCAACCCAGCCATCTCAAAGC
 CTGCTCAAAGAACTACCCAAGAAAGCAGGTGTTCCAGCAGCCCGCTCCCCCTCCCCTCCCCTGGC
 CCCGCCCTTATCATGGAGAACCTAAAGAACTCACTCTACCAGTACCCAGAGGAAGATGGGAGACAAA
 GTGCTCCCTGCCAGGAGAAGAACTCGCGTGACCAGCTCTGGCTGCCATCCGTTCTAGCAACCTTAAGC
 AGCTGAAGAAGGTAGAGGTGCCAAGCTACTTCAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216663 representing NM_053106
 Red=Cloning site Green=Tags(s)

MSKVAKYRRQVSEDPDIDSLSTLSPEEMEELEKELDVVDPDGSIPVGLRQRNQTDKQPSGSFNREAMLN
 FCEKESKLIQREMSVDESKQVGRKTDANKGEEKDSDASRKAPGPRQSDLGKEPKKGVLLKKSFRDREE
 ADGRGGEKPKKEEVIRGIDKGRVRAAVDRKESGKDGREERAAAARKEEEKTGSVKNAGLSRDKDKKKEEV
 KEPSKKEEVKLTAESRNTVGRREDGRLKESKKNKPEDEGIGSGGRDWRKEDEKVKKEENQPDKEVREE
 SKTKAPEKQAPSPNKPSPQSDQARAEEEEAPSIFDEPLEKVKNNDPEMTEVNVNNSDCITNEILVRFTEAL
 EFNTVVKVFALANTRADDHVAFIAIIMLKANKTITSLNLDNSHITGKGILAIFRALLQNNTLTELRFHNQ
 RHICGGKTEMEIAKLLKENTLLKLYHFELAGPRMTVTNLLSRNMDKQRQKRLQEQQQAQEASGEKKDR
 LEVPKVGALAKGSPKPSQPSPKAPKNSPKKAGVPAAPPPPPPLAPPLIMENLNKNSLSPATQRKMGDK
 VLP AQEKNSRDQLLAAIRSSNLKQLKKVEVPKLLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9039_b05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053106

ORF Size: 1785 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_053106.2](#), [NP_444336.2](#)

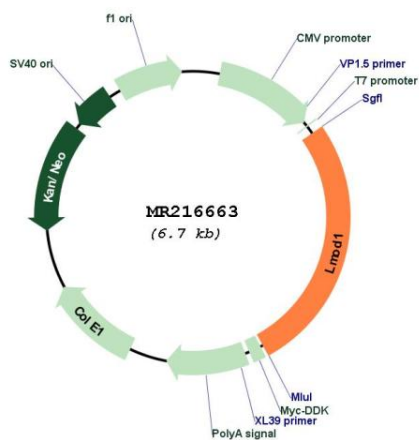
RefSeq Size: 3942 bp

RefSeq ORF: 1788 bp

Locus ID: 93689

UniProt ID: [Q8BVA4](#)
 Cytogenetics: 1 E4
 MW: 66.7 kDa
 Gene Summary: Mediates nucleation of actin filaments.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216663