

## Product datasheet for **RN211225**

### **Lmod1 (NM\_001107179) Rat Untagged Clone**

#### **Product data:**

|                    |   |
|--------------------|---|
| Product Type:      | Expression Plasmids                     |
| Product Name:      | Lmod1 (NM_001107179) Rat Untagged Clone |
| Tag:               | Tag Free                                |
| Symbol:            | Lmod1                                   |
| Vector:            | pCMV6-Entry (PS100001)                  |
| E. coli Selection: | Kanamycin (25 ug/mL)                    |
| Cell Selection:    | Neomycin                                |



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**Fully Sequenced ORF:** >RN211225 representing NM\_001107179  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATG**TCCAAGT**AGCTAAGTATCGCGCGCAGGTGAGTGAAGACCCCGACATCGACAGCCTGCTGTCTACCC  
 TCTCCCTGAAGAAATGGAAGAGCTGGAGAAGGAGCTGGATGTGGTGGACCCTGATGGGAGCATTCCCGT  
 GGGGCTCGCGCAGAGGAATCAAACCGACAAACAGCCCTCCGGCTCGTTCAACCGGAAGCCATGCTCAAC  
 TTCTGTGAAAAGGAGAGCAAGAAAATTATTAGAGGGAGATGTCTGTGGATGAAAGCAAGCAAGTGGGGA  
 GGAAGACTGATGCCAAGAACGGAGAGGACAAGGGCAGCAATGCCAGCAGAAAGGCCCTAGGCCCCAGACA  
 GGACTCAGACGTGGCAAGGAGCCGAAGAAGGGCGTTTTAAAGAAAAGCTTCTCCAGGGATCGAGAGGAG  
 GCCGACAGCAGAGGTAGTGAGAAGCCCAAGGAGGAGAAGGTCATCAGGGGCATTGACAAGGGCAGGGTCA  
 GGGCTGCAGTGGACAGGAAGGAAGCCGGGAAAGATGGCAGAGAAGAAAGGGCAGCCGCCACCACGAAGAA  
 GGAAGAGGAGAAGACAGGGAGTGTGAGGAACGCAGGCTTGAGCAGAGACAAGACAAGAAGAGAGAGGAG  
 GTAAAGGAGCCCAGCAAGAAAGAGGAGGTGAAGCTAACAGCAGAGAACAGGAGCACAGTTGGGAGACAGG  
 AGGACGGGAAGCAGAAAAGAGTCACGCGAAGATAGGGACAAGAAACCAGAGGTCAAGGGCATAGGATGTGG  
 GAGCAGAGACTCGAGAAAGGAAGACGAAAAAGTGAAGAAGGAAGAAACCAACCTGATAAAGGAGTCAAG  
 GAAGAGGGCAAGACCAGAGAGAAGCAGCCCCCAGCGGCCCCAGCAAGCCCTCTGATGGGCAAGCCAGGG  
 CAGAAGAGGAAGCAGCTCCCAAGTATATTGACGAACCTCTGGAGAAAAGTGAAGAACAATGACCCAGAGAT  
 GACCGAGGTGAACGTCAACAACCTCAGACTGCATCACCAATGAAATCCTAGTCCGGTTTACCGAGGCCTTG  
 GAGTTCAACACCGTGGTCAAGGTGTTTGCTTGGCCAACACTCGGGCCGACGACCACGTGGCCTTTGCCA  
 TTGCCATCATGCTGAAGGCCAATAAGACCATCACCAAGCTCAACCTGGACTCCAATCACATCACTGGCAA  
 AGGCATCCTGGCCATCTCCGGGCCCTCCTCCAGAACAACACGCTGACGGAGCTGCGTTTTTCAACACCAG  
 AGGCACATCTGTGGAGGCAAGACGGAGATGGAGATTGCCAAGCTGCTCAAGGAGAACCACCCTACTCA  
 AGCTGGGCTACCATTTTCGAGCTGGCTGGACCCCGGATGACTGTCACCAATCTGCTTAGCCGAAACATGGA  
 CAAGCAGCGACAGAAACGGCTGCAAGAGCAAAAGCAGGCCAGGAAGCCAGTGGGAGAGAAGGACCGG  
 CTGGAGGTACCAAGGTGGGGCTCTGCCAAGGGCTCCCCAAACCTTCAACCCAGCCATCCCCAAAGT  
 CTGCTCCAAGAAGTCAACCCATTAGTGCCATCATTGGATTGTTAACGAACGGGTGGCCCCACCCCTTAT  
 CATGGAGAACCTAAAGAAGTCACTCTCACCAGCCACCCAGAGGAAGATGGGAGACAAAGTCTCCCTGCC  
 CAGGAGAAGAAGTCAAGTACCAACTCCTAGTCCATCCGTTCCAGCAACCTTAAGCAGCTGAAGAAGG  
 CAAAGGTGCCCAAGCTGCTTCA**AG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001107179
- Insert Size:** 1776 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\\_001107179.1](#), [NP\\_001100649.1](#)

**RefSeq Size:** 3937 bp

**RefSeq ORF:** 1776 bp

**Locus ID:** 304816

**Cytogenetics:** 13q13

**Gene Summary:** Mediates nucleation of actin filaments.[UniProtKB/Swiss-Prot Function]