

## Product datasheet for **MG215867**

### **LmanII (NM\_199222) Mouse Tagged ORF Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Tag:</b>	TurboGFP
<b>Symbol:</b>	LmanII
<b>Synonyms:</b>	BC020188; slamp
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-AC-GFP (PS100010)
<b>E. coli Selection:</b>	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:** >MG215867 representing NM\_199222  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGGATCGCC

ATGCTGGAGATCAGAGGCCTCTCACCTCCCTCTGCCTCCTTCCCTGTTGCTGGTTCTGCACGGTGCTG  
 AAAGGAGCCAGCCCCCTCTCGACGCAGGTTTGAGTACAAGCTCAGCTTCAAGGGACCAAGACTGGCAGT  
 TCCTGGGGCTGGGATACCTTCTGGAGCCACCATGGAGACGCCATCCTAGGCTTAGAGGAAGTGGGCTG  
 GTTCCATCCATGAAGAACCGGAGCGGTGCCGTGTGGAGCAACATCTCTGTCTCCTTCCCTTCTGGGAGG  
 TAGAGATGCAGATGAGAGTGACTGGACCAGGACGCCGGGAGCCCCAGGGTGTGGCCATGTGGTACACCAA  
 GGACAGGGCTCAAGTCGGCTCTGTTGTAGAGGAGCTAGCCTCATGGGATGGCATCGGGATCTACTTTGAT  
 TCCTCCACCAGTGATGTCCAGGACAGCCCTGTATCCGAGTGTGCCAGTGATGGGCATGACCTCCAGG  
 AGCAGTCTGGGGATGGAATGTCCGGGAGCTTGGCTCTGTACAGGGACTTCAGGAACCGGCCATTCCC  
 CTTCCGAGCTCGGGTCACTACTGGAGGCAGAGGCTGCGTGTCTTTGAGTGGAGGCCTTACTCCTAAG  
 GACCCCTGAAGAGGTCTGTGTTGATGTGGAGCCCTGTTTTAGCCCTGGAGGCTTCTTTGGGGTCTCAG  
 CAGCCACTGGCACCTTAGCAGCAGATGACCATGACGTCTGTCTTCTGACCTTCACTGAGGGAACC  
 AGGTCCAGAGGAAACCCCCAGCCATTATGGAGAAGGATCAGTTGCTCCTGGCCAGGAAGCTGGAAGAA  
 CTGAAGGCAAGGCTGGCCCTGGGCACCAGAGAGGCTAGCATACCACCCTGAATCCCAAAGCCAGGAAG  
 AAGGTGAAAGGTTCTTTAACCTGGAGGATACGCTGGGACAGACAAAGCCAGATCCTACAGGCCCTCCAGGC  
 TCTCTCCAGGCAGATGGCCAGGCTGAGAAGCACTGGAACAGCAGCTGGGGTCTACAGTCCAAGTCCGG  
 CCTGAGGGAGGCTGGAACACTGCCAAGGTCAGCACCCCTGCTCTATGGACAGCGGACCCTGATCCAGGCC  
 TGCAAGAGATGAGGGAAGCAGCTGCCCGGATGGCTTCCAGGACACAGCTTCTACCTGCCGTGGGCAC  
 TAAGCATCACTTTTTGAACTGGACCATATCCTCAGCCTCCTGCAGAAGGACCTCCGGGGTCTGGTGAAG  
 AAGACAGCCAAGGCCCTCGCCCATCTGGCTGGCTTCTAGGATCCTCCACATGTCTGCACACCAGCATCT  
 TCCTGTTCTTCTCTACTCCAGACTGTAGGCTTCTTCTGCTACGTGAACCTCAGCAGGCAGGAGCTGGA  
 CAAGAGGCTTCAGGAGTACCTGTCCACAGGAAGCCTTCTCTAGAGCCTGCATTACCCATCACCAGGACG  
 ATAGGGTCTGAGGAGACAGCCCATCTCCCCAGCATGCAAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

**Protein Sequence:** >MG215867 representing NM\_199222  
 Red=Cloning site Green=Tags(s)

MLEIRGLSPSLCLLSLLLVLHGAERSQPPRRRFEYKLSFKGPR LAVPGAGIPFWSHHGDAILGLEEVRL  
 VPSMKNRSGAVWSNISVSFSPWEVEMQMRVTGPGRGAQGVAMWYTKDRAQVGSVVEELASWDGIGIYFD  
 SSTSDVQDSPVIRVLASDGHDLQEQSGDGNVRELGSRDFRNRPFPRARVTVYWRQLRVSLSGGLTPK  
 DPPEEVCVDVEPLFLAPGGFFGVSAATGTLAADDHDLVSLTFSLREPPEETPQPFMEKDQLLLARKLEE  
 LKARLALGTREASIPPLNPKAQEEGERFFNLEDLGRQSILQALQALSRQMAQAEKHWKQQLGSTVQVR  
 PEGGWNTAKVSTLLYGQRTLQALQEMREAAARMASGAHVFLVPGTKHHFFELDHILSLLQKDLRGLVK  
 KTAKAPRPSGWLLGSSTCLHTSIFLFFLLQLTVGFFCYVNF SRQELDKRLQEYLSLSTGSLLEPALPITRT  
 IGVLRQPISPSMQA

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_199222

**ORF Size:** 1515 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:**

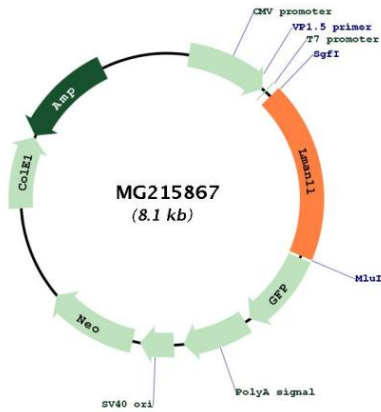
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_199222.3](#), [NP\\_954692.2](#)

**RefSeq Size:** 1737 bp

RefSeq ORF: 1518 bp  
Locus ID: 235416  
UniProt ID: [Q8VCD3](#)  
Cytogenetics: 9 B

**Product images:**

Circular map for MG215867