

## Product datasheet for **MR219263**

### Lman1 (NM\_001172062) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lman1 (NM_001172062) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lman1
Synonyms:	2610020P13Rik; AI326273; AU043785; C730041J05; ERGIC53; F5F8D; gp58; MCFD1; MR60; P58
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR219263 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGTGTCCAGGCGGAGGGTCCCCAGGCTGGAGCGCGGTCTTCTCTGCGCCTGCTGCTGTCTT  
 TCAGCCAATTCACCGGGAGCGACGGCACGGGAGCGACGCTGCGGCTCCCGGCGCCGCGGCACCCAGGC  
 CGAGTTGCCACACCGCCGTTTCGAGTACAAATACAGCTTTAAGGGCCGCATCTGGTGCAGAGCGATGGG  
 ACCGTGCCCTTTTGGGCCACGCGGGGAATGCTATTCCAAGTGCAGATCAGATTCGAATAGCGCCGCAT  
 TAAAAAGCCTAAGAGGTTCCGTGTGGACCAAAGCAAAGCAGCCTTCGAGAACTGGGAAGTGAAGTGAC  
 ATTCGAGTGACCGGAAGAGGTCGAATTGGAGCCGATGGCTTAGCAATTTGGTATACAGAAAATCAAGGC  
 TTGGACGGCCCTGTGTTGGATCAGCTGATACGTGGAATGGTGTGGAATATTTTTGATTCTTTTGACA  
 ATGATGAAAAGAAAAATAATCCTGCTATAGTAGTTATAGGCAACAATGGACAAAATCAATTATGACCATCA  
 AAATGATGGTGCCACTCAAGCTTAGCGAGTTGTGAGAGGACTTTCGTAATAAACCCCTATCCTGTCCGG  
 GCAAAGATTACGTATTACAGAAGACACTGACAGTCATGATCAATAATGGCTTTACACCAGATAAAAATG  
 ATTATGAATTCGTGCCAAAGTGAAAAACATGGTTATCCCCACACAAGGTCATTTGGGATATCAGCGGC  
 AACAGGGGACTTGCAGATGACCACGACGTTCTTTCTTCTGACTTTCAAAGTACCGAGCCTGGAAAA  
 GAGCCACCTACAGCAGAAAAAGACATTTAGAAAAAGAAAAGGAAAAGTATCAAGAGGAGTTGAGCACT  
 TCCAGCAAGAATTAGACAAGAAGAAGGAGGAATCCAGAAGGGCCACCCTGACCTCCAGGGGCGCCAGC  
 GGATGACATCTTCAGAGCATAGGCGATCGGGAGCTGAGACAGGTGTTGAAGGACAGAATCGTATTCAT  
 CTGGAGATCAAGCAGCTGAACCGGCAGCTGGATATGATTCTTGATGAACAGAGGAGTACGTCCTGTC  
 TGACAGAGGAGATCTCCAGGAGAGGAGCAGGAACCCCGGACAGCCTGGGCAGGTCTCAGCAGGAAT  
 GGACACCGTTGTGAAGAGCCAGCAGGAGATTCTGAGACAAGTGAATGAGGTGAAGAACTCCATGAGTGAA  
 ACTGTGCGGCTGGTGAAGTGGCATCCAGCACCCGGGCTCAGCAGGCGTCTACGAGACAACCTCAGCACTTCA  
 TGGACATCAAGGAACACCTGCACGTGGTGAAGAGAGATATCGACAGCCTCGCACAGCGCAGCATGCCATC  
 TAATGAAAAACAAAATGCCAGACCTACCACCTTCCCGTCGTGTCTATCCACGATCCACTTTGTGATA  
 TTTGTAGTGGTGCAGACAGTGTGTTGCTTGGCTATATCATGTACAGGACTCAGCAAGAAGCAGCTGCCA  
 AAAAATCTTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR219263 protein sequence  
 Red=Cloning site Green=Tags(s)

MAVSRRRVPQAGARSFFCALLLSFSQFTGSDGTGGDAAAPGAAGTQAEIPHRRFEYKYSFKGPHLVQSDG  
 TVPFWAHAGNAIPASDQIRIAPSLKSQRGSVWTKAKAAFENWEVEVTFRVTGRGRIGADGLAIWYTENQG  
 LDGPVFGSADTWNGVGIFFDSFDNDGKKNPAIVVIGNNGQINYDHQNDGATQALASCQRDRFNKPYVPR  
 AKITYYQKTLTVMINNGFTDPKNDYEFCAKVENMVIPTQGHFGISAATGGLADDHDLVSLFTFLTEPGK  
 EPPTAEKDISEKEKEYQEEFEHFQQELDKKKEEFQKGHPDLQGPADDIFESIGDRELQVFEQGNRIH  
 LEIKQLNRQLDMILDEQRRYVSSLTEEISRRGAGTPGQPGQVSQQELDTVVKSQQEILRQVNEVKNSMSE  
 TVRLVSGIQHPGSAGVYETTQHFMDIKEHLHVVKRDIDSLAQRSMPSNEKPKCPDLPPFPSCLSTIHFVI  
 FVVVQTVLFGYIMYRTQQEAAAKKFF

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_001172062

**ORF Size:** 1554 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\\_001172062.1](#), [NP\\_001165533.1](#)

**RefSeq Size:** 1742 bp

**RefSeq ORF:** 1554 bp

**Locus ID:** 70361

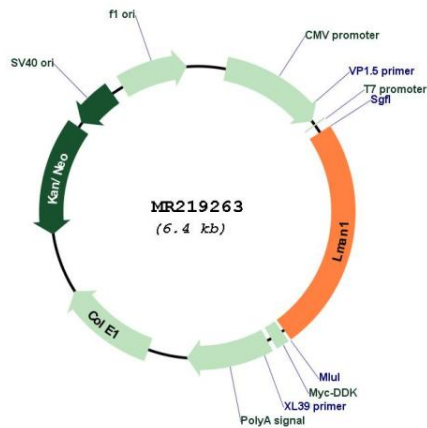
**UniProt ID:** [Q9D0F3](#)

**Cytogenetics:** 18 E1

**MW:** 57.8 kDa

**Gene Summary:** Mannose-specific lectin. May recognize sugar residues of glycoproteins, glycolipids, or glycosylphosphatidyl inositol anchors and may be involved in the sorting or recycling of proteins, lipids, or both. The LMAN1-MCFD2 complex forms a specific cargo receptor for the ER-to-Golgi transport of selected proteins (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR219263