

Product datasheet for **MC217314**

Lman1 (NM_001172062) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lman1 (NM_001172062) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC217314 representing NM_001172062
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGTGTCCAGGCGGAGGGTCCCCAGGCTGGAGCGGGTCTTCTCTGCGCCTGCTGCTGTCTT
 TCAGCCAATTCACCGGGAGCGACGGCACGGGAGCGACGCTGCGGCTCCGGCGCCGGGCACCCAGGC
 CGAGTTGCCACACCGCCGTTTCGAGTACAAATACAGCTTTAAGGGCCGCATCTGGTGCAGAGCGATGGG
 ACCGTGCCCTTTTGGGCCACGCGGGGAATGCTATTCCAAGTGCAGATCAGATTCGAATAGCGCCGTCAT
 TAAAAAGCCTAAAGAGGTTCCGTGTGGACCAAAGCAAAGCAGCCTTCGAGAACTGGGAAGTGAAGTGAC
 ATTCGAGTGACCGGAAGAGGTCGAATTGGAGCCGATGGCTTAGCAATTTGGTATACAGAAAATCAAGGC
 TTGGACGGCCCTGTGTTGGATCAGCTGATACGTGGAATGGTGTGGAATATTTTTGATTCTTTTGACA
 ATGATGAAAAGAAAAATAATCCTGCTATAGTAGTTATAGGCAACAATGGACAAAATCAATTATGACCATCA
 AAATGATGGTGCCACTCAAGCTTAGCGAGTTGTCAGAGGGACTTTCGTAATAAACCTATCCTGTCCGG
 GCAAAGATTACGTATTACCAGAAGACACTGACAGTCATGATCAATAATGGCTTTACACCAGATAAAAATG
 ATTATGAATTCGTGCCAAAGTGAAAAACATGGTTATCCCCACACAAGGTCATTTGGGATATCAGCGGC
 AACAGGGGACTTGCAGATGACCACGACGTTCTTTCTTCTGACTTTCCAAGTACCGAGCCTGGAAAA
 GAGCCACCTACAGCAGAAAAAGACATTTTCAGAAAAAGAAAAGGAAAAGTATCAAGAGGAGTTTGAGCACT
 TCCAGCAAGAATTAGACAAGAAGAAGGAGGAATCCAGAAGGGCCACCCTGACCTCCAGGGGCAGCCAGC
 GGATGACATCTTCGAGAGCATAGGCGATCGGGAGCTGAGACAGGTGTTTGAAGGACAGAATCGTATTCAT
 CTGGAGATCAAGCAGCTGAACCGGCAGCTGGATATGATTCTTGATGAACAGAGGAGGTACGTCTCGTCCC
 TGACAGAGGAGATCTCCAGGAGAGGAGCAGGAACCCCGGACAGCCTGGGCAGGTCTCAGCAGGAAT
 GGACACCGTTGTGAAGAGCCAGCAGGAGATTCTGAGACAAGTGAATGAGGTGAAGAAGTCCATGAGTGAA
 ACTGTGCGGCTGGTGTGAGTGGCATCCAGCACCCGGGCTCAGCAGGCGTCTACGAGACAACCTCAGCACTTCA
 TGGACATCAAGGAACACCTGCACGTGGTGAAGAGAGATATCGACAGCCTCGCACAGCGCAGCATGCCATC
 TAATGAAAAACAAAATGCCAGACCTACCACCTTCCCGTCGTGTCTATCCACGATCCACTTTGTGATA
 TTTGTAGTGGTGCAGACAGTGTGTTGTTGGCTATATCATGTACAGGACTCAGCAAGAAGCAGCTGCCA
 AAAAATTCTTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001172062

Insert Size: 1554 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_001172062.1](#), [NP_001165533.1](#)

RefSeq Size: 1742 bp

RefSeq ORF: 1554 bp

Locus ID: 70361

UniProt ID: [Q9D0F3](#)

Cytogenetics: 18 E1

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]
Transcript Variant: This variant (2) differs in the 3' UTR, compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.