

Product datasheet for **MC217315**

Lman1 (NM_027400) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lman1 (NM_027400) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lman1
Synonyms:	2610020P13Rik; AI326273; AU043785; C730041J05; ERGIC53; F5F8D; gp58; MCFD1; MR60; P58
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217315 representing NM_027400
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGTGTCCAGGCGGAGGGTCCCCAGGCTGGAGCGCGGTCTTCTCTGCGCCTGCTGCTGTCTT
 TCAGCCAATTCACCGGGAGCGACGGCACGGGAGGCGACGCTGCGGCTCCCGGCGCCGCGGCACCCAGGC
 CGAGTTGCCACACCGCCGTTTCGAGTACAAATACAGCTTTAAGGGGCCGATCTGGTGCAGAGCGATGGG
 ACCGTGCCCTTTTGGGCCACGCGGGGAATGCTATTCCAAGTGCAGATCAGATTCGAATAGCGCCGTCAT
 TAAAAAGCCTAAGAGGTTCCGTGTGGACCAAAGCAAAGCAGCCTTCGAGAACTGGGAAGTGAAGTGC
 ATTCGAGTGACCGGAAGAGGTGCAATTGGAGCCGATGGCTTAGCAATTTGGTATACAGAAAATCAAGGC
 TTGGACGGCCCTGTGTTGGATCAGCTGATACGTGGAATGGTGTGGAATATTTTTGATTCTTTTGACA
 ATGATGAAAAGAAAAATAATCCTGCTATAGTAGTTATAGGCAACAATGGACAAAATCAATTATGACCATCA
 AAATGATGGTGCCACTCAAGCTTAGCGAGTTGTGAGAGGACTTTCGTAATAAACCCCTATCCTGTCCGG
 GCAAAGATTACGTATTACCAGAAGACACTGACAGTCATGATCAATAATGGCTTTACACCAGATAAAAATG
 ATTATGAATTCGTGCCAAAGTGAAAAACATGGTTATCCCCACACAAGGTCATTTGGGATATCAGCGGC
 AACAGGGGACTTGCAGATGACCACGACGTTCTTTCTTTCCTGACTTTCCAAGTACCGAGCCTGGAAAA
 GAGCCACCTACAGCAGAAAAAGACATTTTCAGAAAAAGAAAAGGAAAAGTATCAAGAGGAGTTTGAGCACT
 TCCAGCAAGAATTAGACAAGAAGAAGGAGGAATCCAGAAGGGCCACCCTGACCTCCAGGGGCAGCCAGC
 GGATGACATCTTCGAGAGCATAGGCGATCGGGAGCTGAGACAGGTGTTTGAAGGACAGAATCGTATTCAT
 CTGGAGATCAAGCAGCTGAACCGGCAGCTGGATATGATTCTTGATGAACAGAGGAGGTACGTCTCGTCCC
 TGACAGAGGAGATCTCCAGGAGAGGAGCAGGAACCCCGGACAGCCTGGGCAGGTCTCAGCAGGAAT
 GGACACCGTTGTGAAGAGCCAGCAGGAGATTCTGAGACAAGTGAATGAGGTGAAGAAGTCCATGAGTGAA
 ACTGTGCGGCTGGTGTGAGTGGCATCCAGCACCCGGGCTCAGCAGGCGTCTACGAGACAAGTCAAGCACTTCA
 TGGACATCAAGGAACACCTGCACGTGGTGAAGAGAGATATCGACAGCCTCGCACAGCGCAGCATGCCATC
 TAATGAAAAACAAAATGCCAGACCTACCACCATTCCCGTCGTGTCTATCCACGATCCACTTTGTGATA
 TTTGTAGTGGTGCAGACAGTGTGTTGTTGGCTATATCATGTACAGGACTCAGCAAGAAGCAGCTGCCA
 AAAAATTCTTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_027400

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_027400.3](#), [NP_081676.1](#)

RefSeq Size: 3576 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 (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.