

Product datasheet for **SC125316**

LMAN1 (NM_005570) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LMAN1 (NM_005570) Human Untagged Clone
Tag:	Tag Free
Symbol:	LMAN1
Synonyms:	ERGIC-53; ERGIC53; F5F8D; FMFD1; gp58; MCFD1; MR60
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC125316 sequence for NM_005570 edited (data generated by NextGen Sequencing)

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ATGGCGGGATCCAGGCAAAGGGGTCTCCGGGCCAGAGTTCGGCCGCTGTTCTGCGCCTTG
CTGCTGTCACTCGGTTCGTTTCGTCGGGGGCGACGGCGTGGGAGGAGACCCCGCGGTGCGG
TTGCCACATCGCCGTTTCGAGTACAAATACAGCTTCAAGGGGCCGACCTGGTGCAGAGC
GACGGGACCGTGCCCTTCTGGGCCACGCGGGGAATGCTATTCCAAGTTCAGATCAAATT
CGAGTAGCACCATCTTTAAAAAGCCAAAGAGGCTCAGTGTGGACAAAGACAAAAGCGGCC
TTTGAGAACTGGGAAGTTGAGGTGACATTTGAGTACTGGAAGAGGTCGAATTGGAGCT
GATGGCCTAGCAATTTGGTATGCAGAAAATCAAGGCTTGGAGGGCCCTGTGTTTGGATCA
GCTGATCTGTGGAATGGTGTGGAATATTTTTGATTCTTTTGACAATGATGAAAAGAAA
AATAATCTGCTATAGTAATTATAGGCAACAATGGACAAATCCATTATGACCATCAAAT
GACGGGGTGTAGTCAAGCTTTGGCAAGTTGCCAGAGGGACTTCCGCAACAAACCCTATCCT
GTCCGAGCAAAGATTACCTATTACCAGAACACACTGACAGTAATGATCAATAATGGCTTT
ACACCAGATAAAAATGATTATGAATTTTGTCCAAAGTGGAAAAATGATTATCCCTGCA
CAAGGGCATTGGAATATCTGCTGCAACTGGAGGTCTTGCAGATGACCATGATGTCCTT
TCTTTTCTGACTTCCAGTTGACTGAACCTGGAAGAGCGCCACACCAGATAAAGAA
ATTTCCGAAAAGGAAAAAGAAAAGTATCAGGAGGAATTTGAGCACTTTCAACAAGAAATTG
GATAAAAAAAGAGGAATTCAGAAGGGCCACCCGACCTCAAAGGCAGCCTGCGGAG
GAAATATTTGAGAGTGTAGGAGATCGAGAGCTAAGACAAGTCTTTGAAGGACAGAATCGT
ATTCATCTTGAATCAAGCAGCTGAACCGGCAGTTAGATATGATTCTTGTATGAACAGAGA
AGATATGTCTCTCCTAACAGAGGAAATCTCTAAAAGAGGAGCAGGAATGCCTGGGCAG
CATGGGCAGATTACTCAACAAGAACTGGATACTGTTGTGAAAACCTCAGCATGAGATTCTG
AGACAAGTAAATGAAATGAAAAATTCATGAGTAAAACCGTCAGACTGGTCAGTGAATG
CAGCACCTGGCTCTGCTGGAGGCGTCTATGAGACAACACAGCACTTCATTGACATCAAA
GAGCACCTGCACATAGTAAAGAGGGACATAGATAAATTAGTGCAGCGAAAATATGCCATCA
AATGAAAAGCCGAAATGCCCAGAACTACCACCATTTCATCATGTTTGTCTACGGTCCAC
TTCATTATATTTGTTGGTGCAAACCTGTATTATTCATTGGTTATATCATGTATAGGTCT
CAGCAAGAAGCAGCTGCCAAAAAATCTTTTGA
    
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Clone variation with respect to NM_005570.3

5' Read Nucleotide Sequence: >OriGene 5' read for NM_005570 unedited

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TGATATCCCCCGCCGTTGCCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATA
AGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCC
GCGAATTCGGCACGAGGATGGCGGGATCCAGGCAAAGGGTCTCCGGGCCAGAGTTCGGC
CGCTGTTCTGCGCCTTGCTGCTCACTCGGTTCGTTTCGTCGGGGGCGACGGCGTGGGAG
GAGACCCCGCGGTCCGTTGCCACATCGCCGTTTCGAGTACAAATACAGCTTCAAGGGGC
CGCACCTGGTGCAGAGCGACGGGACCGTCCCTTCTGGGCCACGCGGGGAATGCTATTC
CAAGTTCAGATCAAATTCGAGTAGCACCATCTTTAAAAAGCCAAAGAGGCTCAGTGTGGA
CAAAGACAAAAGCGCCCTTTGAGAACTGGGAAGTTGAGGTGACATTTGAGTACTGGAA
GAGGTGCAATTTGAGCTGATGGCCTAGCAATTTGGTATGCAGAAAATCAAGGCTTGGAGG
GCCCTGTGTTGGATCAGCTGATCTGTGGAATGGTGTGGAATATTTTTGATTCTTTTGA
ACAATGATGGAAGAAAAATAATCCTGCTATAGTAATTATAGGCAACAATGGACAAATCC
ATTATGACCATCAAATGACGGGGTGTCAAGCTTTGGCAAGNNTGCCAGAGGGACTTT
CCGCACAAACCCTATCCTGTNCGAGCAAAGATACTATTACCGAACACACTTGACAGTAT
GATCAATAATGCTTTACACCANATAAAAATGATTATTGATTTTTGTGCCAAGTGGGAAA
ATATGATATTCCTGCACAGGGGCATTTTGGATATCTGCTGCACTGGAGGTCTTGCAGATG
ACCATGAGCCTTNTTCTGACTTTCAGTTGACTGAACTGGAA
    
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Restriction Sites: NotI-NotI
ACCN: NM_005570

Insert Size:	4700 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:	<ol style="list-style-type: none">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_005570.2 , NP_005561.1
RefSeq Size:	2764 bp
RefSeq ORF:	1533 bp
Locus ID:	3998
UniProt ID:	P49257
Cytogenetics:	18q21.32
Domains:	Lectin_leg-like
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	The protein encoded by this gene is a membrane mannose-specific lectin that cycles between the endoplasmic reticulum, endoplasmic reticulum-Golgi intermediate compartment, and cis-Golgi, functioning as a cargo receptor for glycoprotein transport. The protein has an N-terminal signal sequence, a calcium-dependent and pH-sensitive carbohydrate recognition domain, a stalk region that functions in oligomerization, a transmembrane domain, and a short cytoplasmic domain required for organelle targeting. Allelic variants of this gene are associated with the autosomal recessive disorder combined factor V-factor VIII deficiency. [provided by RefSeq, Jul 2015]