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Product datasheet for SC325820

LMAN2L (NM_001142292) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LMAN2L (NM_001142292) Human Untagged Clone
Tag:	Tag Free
Symbol:	LMAN2L
Synonyms:	MRT52; VIPL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325820 representing NM_001142292. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGCGGCGACTCTGGGACCCCTTGGGTCGTGGCAGCAGTGGCGGCGATGTTTGTCGGCTCGGGATGGG TCCAGGATGTTACTCCTTCTTCTTTTGTTGGGGTCTGGGCAGGGGCCACAGCAAGTCGGGGCGGGTCAA ACGTTCGAGTACTTGAAACGGGAGCACTCGCTGTCGAAGCCCTACCAGGGTGTGGGCACAGGCAGTTCC TCACTGTGGAATCTGATGGGCAATGCCATGGTGATGACCCAGTATATCCGCCTTACCCCAGATATGCAA AGTAAACAGGGTGCCTTGTGGAACCGGGTGCCATGTTTCCTGAGAGACTGGGAGTTGCAGGTGCACTTC AAAATCCATGGACAAGGAAAGAAGAATCTGCATGGGGATGGCTTGGCAATCTGGTACACAAAGGATCGG ATGCAGCCAGGGCCTGTGTTTGGAAACATGGACAAATTTGTGGGGCTGGGAGTATTTGTAGACACCTAC CCCAATGAGGAGAAGCAGCAAGAGGCCCAGAAGAGGCGATATTCTCCAGGAGTCCAGCGGGTATTCCCC TACATCTCAGCCATGGTGAACAACGGCTCCCTCAGCTATGATCATGAGCGGGATGGGCGGCCTACAGAG CTGGGAGGCTGCACAGCCATTGTCCGCAATCTTCATTACGACACCTTCCTGGTGATTCGCTACGTCAAG AGGCATTTGACGATAATGATGGATATTGATGGCAAGCATGAGTGGAGGGACTGCATTGAAGTGCCCGGA GTCCGCCTGCCCCGCGGCTACTACTTCGGCACCTCCTCCATCACTGGGGATCTCTCAGATAATCATGAT GTCATTTCCTTGAAGTTGTTTGAACTGACAGTGGAGAGAACCCCAGAAGAGGAAAAGCTCCATCGAGAT GTGTTCTTGCCCTCAGTGGACAATATGAAGCTGCCTGAGATGACAGCTCCACTGCCGCCCCTGAGTGGC CTGGCCCTCTTCCTCATCGTCTTTTTCTCCCTGGTGTTTTCTGTATTTGCCATAGTCATTGGTATCATA CTCTACAACAAATGGCAGGAACAGAGCCGAAAGCGCTTCTACTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_001142292

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Insert Size:	1080 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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001142292.1
RefSeq Size:	2458 bp
RefSeq ORF:	1080 bp
Locus ID:	81562
UniProt ID:	Q9H0V9
Cytogenetics:	2q11.2
Protein Families:	Druggable Genome, Transmembrane
MW:	41 kDa
Gene Summary:	This gene encodes a protein belonging to the L-type lectin group of type 1 membrane proteins, which function in the mammalian early secretory pathway. These proteins contain luminal carbohydrate recognition domains, which display homology to leguminous lectins. Unlike other proteins of the group, which cycle in the early secretory pathway and are predominantly associated with post endoplasmic reticulum membranes, the protein encoded by this gene is a non-cycling resident protein of the ER, where it functions as a cargo receptor for glycoproteins. It is proposed to regulate exchange of folded proteins for transport to the Golgi and exchange of misfolded glycoproteins for transport to the ubiquitin-proteasome pathway. [provided by RefSeq, Apr 2016]

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