

Product datasheet for **RG205704**

LMAN2 (NM_006816) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LMAN2 (NM_006816) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LMAN2
Synonyms:	C5orf8; GP36B; VIP36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205704 representing NM_006816 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCGGCGGAAGGCTGGATTTGGCGTTGGGGCTGGGGCCGGCGGTGCCTGGGAAGGCTGGGCTTCTCG
 GCCCGGGCCCTGGCCCCACTACACCTCTCTTTCTTTTGTGTTGGGGTCTGTGACTGCGGATATAAC
 TGACGGCAACAGTGAACATCTCAAGCGGGAGCATTCGCTCATTAAAGCCCTACCAAGGGGTCGGTTCCAGC
 TCTATGCCCTCTGGGACTTCCAGGGCAGCACTATGCTCACGAGCCAGTACGTACGTCTGACCCCTGACG
 AGCGCAGCAAAGAGGGCTCTATCTGGAACACCAGCCGTGCTTCTCAAAGACTGGGAAATGCACGTCCA
 CTTCAAAGTCCACGGCACAGGGAAGAAGAACCTCCATGGAGACGGCATCGCCTTGTGGTACACCCGGGAC
 CGCCTCGTGCCAGGGCCTGTGTTTGAAGCAAAGATAAATTCCACGGCTTAGCCATCTTCTGGACACCT
 ACCCCAATGATGAGACCACTGAGCGCGTGTCCCGTACATCTCGGTGATGGTGAACAATGGCTCCCTGTC
 CTACGACCACAGCAAGGATGGGCGCTGGACCGAGCTGGCGGGCTGCACGGCTGACTTCCGCAACCGCGAT
 CACGACACCTTCTTGGCTGTGCGCTACTCCCGGGGCCGTCTGACGGTGTGACCGACCTGGAGGACAAGA
 ACGAGTGAAGAAGTGCATTGACATCACGGGAGTGCGCCTGCCACCGGCTACTACTTCGGGGCCTCCGC
 CGGCACCGGCGACCTGTCTGACAATCATGACATCATCTCCATGAAGCTGTTCCAGCTGATGGTGGAGCAC
 ACGCCCCGACGAGGAGAGCATCGACTGGACCAAGATCGAGCCAGCGTCAACTTCTCAAGTCGCCAAAG
 ACAACGTGGACGACCCACGGGGAACCTCCGACGCGGGCCCTGACGGGTGGCGGGTGTCTCTGTGCT
 GCTGTGCGCTCTCTGGGCATCGTTGTCTGCGCCGTGGTGGGGCCGTGGTGTCCAGAAGCGGCAGGAG
 CGGAACAAGCGTTCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >RG205704 representing NM_006816
 Red=Cloning site Green=Tags(s)

MAAEGWIWRWGWRRCLGRPGLLGPGPPTTPLLLLLLGSVTADITDGNSEHLKREHSLIKPYQGVGSS
 SMPLWDFQGSTMLTSQYVRLTPDERSKEGSIWNHQPCFLKDWEHMHVFKVHGTGKKNLHGDGIALWYTRD
 RLVPGPVFGSKDNFHLAIFLDTPNDETTERVFPYISVMVNGSLSYDHSKDGRWTELAGCTADFRNRD
 HDTFLAVRYSRGRLTVMTDLEDKNEWKNCIDITGVRLPTGYFFGASAGTGDLSDNHDIIISMKLFQLMVEH
 TPDEESIDWTKIEPSVNFLLKSPKDNVDDPTGNFRSGPLTGWRVFLLLLCALLGIVVCAVVGAVVFQKRQE
 RNKRKY

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_006816

ORF Size: 1068 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_006816.3](#)

RefSeq Size: 1407 bp

RefSeq ORF: 1071 bp

Locus ID: 10960

UniProt ID: [Q12907](#)

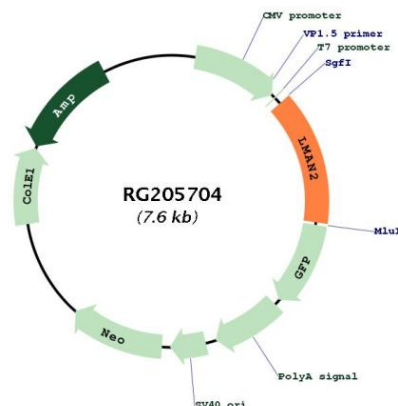
Cytogenetics: 5q35.3

Domains: Lectin_leg-like

Protein Families: Transmembrane

Gene Summary: This gene encodes a type I transmembrane lectin that shuttles between the endoplasmic reticulum, the Golgi apparatus and the plasma membrane. The encoded protein binds high mannose type glycoproteins and may facilitate their sorting, trafficking and quality control. [provided by RefSeq, Oct 2008]

Product images:



Circular map for RG205704