

Product datasheet for **RR205820**

Lman1 (NM_053886) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lman1 (NM_053886) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lman1
Synonyms:	p58
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR205820 representing NM_053886
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGTGTCCAGGCGGCGGGTCCCCAGGCTGGAGCGCAGTCGTTCTTCTGCGCCTGCTGCTGTCTT
 TCAGCCAATTCGTCGGGAGCGACGGCATGGGAGGAGATGCTGCGGCTCCCGGCCCGCAGGCACCCAGGC
 CGAGTTGCCACACCGCCGTTTCGAGTACAAATACAGCTTTAAGGGCCCGCATCTGGTGCAGAGCGATGGG
 ACCGTGCCCTTTTGGGCCACGCGGGGAATGCTATTCCAAGTGCAGATCAGATCCGAATAGCACCGTCTCT
 TAAAGAGCCAAAGAGGTTCCGTGTGGACCAAAACAAAAGCAGCCTTCGAGAACTGGGAAGTGAAGTGAC
 ATTCGAGTGACCGGAAGAGGTCGAATTGGAGCTGATGGCTTAGCAATTTGGTATACAGAAAACCAAGGC
 TTGGACGGCCCTGTGTTGGATCAGCTGATATGTGGAATGGTGTGGAATATTTTTGATTCTTTTGACA
 ATGACGGAAAGAAAAACAATCCTGCTATAGTAGTTGTAGGCAACAATGGACAAATCAATTATGACCACCA
 AAATGATGGTGCCACTCAAGCCTTAGCGAGTTGTCAGAGGGACTTCCGTAATAAACCTATCCTGTCCGG
 GCAAAGATTACCTATTACCAGAAAAACACTGACGGTCATGATCAATAATGGCTTTACACCAGATAAAAATG
 ATTATGAATTCGTGCCAAAGTGAAAAATATGGTTATCCCCACGCAAGGGCATTTTGGGATATCTGCTGC
 AACAGGAGGTCCTGCAGATGACCACGATGTTCTCTTTCTGACTTTCCAATAACCGAGCCCGGAAAA
 GAGCCACCTACGCCAGAAAAAGACATTTTCAGAAAAAGAAAAGGAAAAGTATCAAGAGGAGTTTGAACACT
 TCCAGCAAGAATTAGACAAGAAGAAGGAGGAATTCAGAAAGGGCCACCCTGACCTCCAGGGGCAGCCAGC
 GGATGACATCTTTGAGAGCATAGGGGATCGGGAGCTGAGACAAGTGTGGAAGGACAAAAATCGCATTTCAT
 CTGGAGATCAAGCAACTTAACCGGCAGCTGGATATGATTCTCGATGAACAGAGGAGATACGTGCTCTC
 TGACAGAGGAGATTTCCAGGAGAGGAGCAGGGACCCAGGACAGCCTGGGCAGGTCTCCCAACAGGAATC
 GGACACTGTTGTGAGGACCCAGCTGGAGATTTTGAGACAAGTGAATGAGATGAAGAACTCCATGCGTGAG
 ACCATGCGGCTGTTAGTGGCGTCCAGCACCCAGGCTCGGCCGGCGTCTACGAGACAACCCAGCACTTCA
 TGGACATCAAGGAGCACCTGCACATCGTGAAGAGAGATATCGACAGCCTCGCGCAGCGCAGCATGTCATC
 TAATGAAAAACAAAATGCCAGATCTACCAGCATTCCCGTCGTGTCTGTCCACAGTCCACTTTGTGATA
 TTTATAGTGGTGCAGACGGTGTGTTTCATTGGCTACATCATGTACAGGACTCAGCAAGAAGCAGCTGCCA
 AAAAATTCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205820 representing NM_053886
 Red=Cloning site Green=Tags(s)

MAVSRRRGPQAGAQSFPCALLLSFSQFVGS DGMGGDAAAPGAAGTQAE LPHRRFEYKYSFKGPHLVQSDG
 TVPFWAHAGNAIP SADQIRIAPSLKSRG SVWTKKAAFENWEVEVTFRVTGRGRIGADGLAIWY TENQG
 LDGPVFGSADMWNGVGIFFDSFDNDGKKNPAIVVVGNNQGINYDHQNDGATQALASCQRDFRNKPY PVR
 AKITYYQKTLTVMINNGFTPDKNDFEFC AKVENMVIPTQGHFGISAATGGLADHDVLSFLTFQLTEPGK
 EPPTPEKDI SEKEKEYQEEFEHFQ QELDKKKEEFQKGHPLDQGPADDIFESI GDREL RQVFEGQNR IH
 LEIKQLNRQLDMILDEQRRYVSSLTEEISRRGAGTPGQPGQVSQQLDTVVRTQLEILRQVNEMKNSMRE
 TMRLVSGVQHPGSAGVYETTQHFMDIKEHLHIVKRDIDSLAQRSMSSNEKPKCPDLPAFP SCLSTVHFVI
 FIVVQTVLFIGYIMYRTQQEAAAKFF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

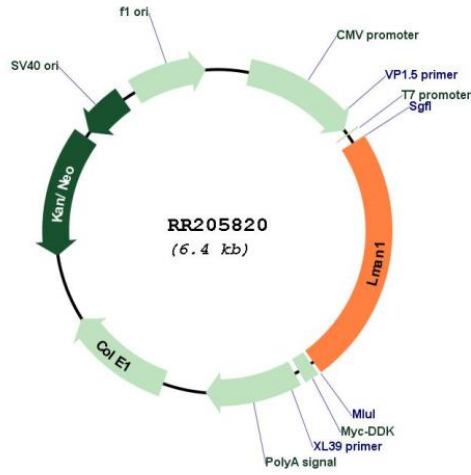
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_053886
ORF Size:	1551 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:	<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_053886.2 , NP_446338.1
RefSeq Size:	1743 bp
RefSeq ORF:	1554 bp
Locus ID:	116666
UniProt ID:	Q62902
Cytogenetics:	18q12.1
MW:	58 kDa
Gene Summary:	calcium-dependent lectin; involved in glycoprotein export from the ER [RGD, Feb 2006]