

Product datasheet for **MR207398**

Lmbr1 (BC016110) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lmbr1 (BC016110) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lmbr1
Synonyms:	1110048D14Rik; AU017641
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide
Sequence:**

>MR207398 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGGGCAGGACGAGGTGTGCGCGCGGGAGCAGCACTTCCACAGCCAAGTGCAGAGTCCACGATAT
 GTTTTCTTCTCTTTGCCATTCTCTACATCGTTTCTACTTCATCATTATAAGATACAAGAGAAAATCCGA
 TGAACAAGAAGATGAGGATGCTGTAGTCAACAGGATATCGTTGTTTCTGAGCACCTTCACCTAGCCGTG
 TCAGCTGGCGCGGTTTTGCTTTTACCCTTCTCAATCATCAGCAATGAGATCCTGCTTGCTTTTCTCACA
 ACTACTATATTCAGTGGCTGAATGGCTCCCTCATCCACGAAGTTTTGCAGGCCTGAAAAAGGGAATCCG
 AGCCCGCATTTTGAAACTCTGGTTATGCTGCTGCTTCTTGCGTTGCTGATTCTTGGGATGGTGTGGGTG
 GCTTCCGCCCTGATTGACAGTGATGCTGCCAGTATGGAGTCTTTATATGATCTCTGGGAATTCTACTTGC
 CCTATTTGTATTCTTGCATTTGCTGATGGGATGCTTGCTGCTTCTCTTGTTGACTCCAGTTGGCCTGTC
 CCGTATGTTACAGTCATGGGTGAGTTGCTGGTGAAGCCAGCGATTCTTGAAGACCTGGATGAACAAATT
 TATATGATTACTCTAGAAGAAGAAGCACTCCAGAGAAGACTACATGGGCTATCTTCATCGGTGGAGTACA
 ATGTAATGGAATTGGAGCAAGAAGCTTGAGAATGTAAGATCCTTAAGACAAAATTAGAGAGGAGGAAAAA
 GGCTTCAGCTTGGGAGAGAAAATTTGGTGTATCCTGCTGTTATGGTTCTCCTTCTTATTGAAACATCCATT
 TCAGTCTCCTGGTGGCTGCAATATCTTTGCCTGCTGGTTGATGAGACTGCAATGCCAAAGGGAACAA
 GGGGCCCGGCATAGGAAGTGCCTCTCTTTCCACTTTTGGCTTTTGGGAGCTGCACTTGAATCATTCT
 GATTTTCTATCTCATGGTGTCTTCTGTTGTTGGTTTCTATAGCCTCAGATTTTTTGAAACTTTACACCC
 AAGAAGGATGACACAATATGACAAAGATCATTGGGAATTGTGTGCAATCTTAGTCTTGAGCTCTGCTT
 TGCCTGTGATGTCCAGAACTGGAATCACTAGATTCGATCTACTTGGAGACTTTGGAAGATTTAATTG
 GCTGGGAAATTTCTATATTGTATTATCCTACAATTTACTCTTCGCCATCATGACAACATTGTGTTTGATC
 AGAAAAATTCACATCAGCAGTACGAGAAGAACTTTCAAGGCCCTAGGACTTCACAAACTTCACTTGTGAG
 ATACCTCAAGGGATTAGAAAACATAAAGCCTTCTGCAATGGGCATCAGAAAGCACTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

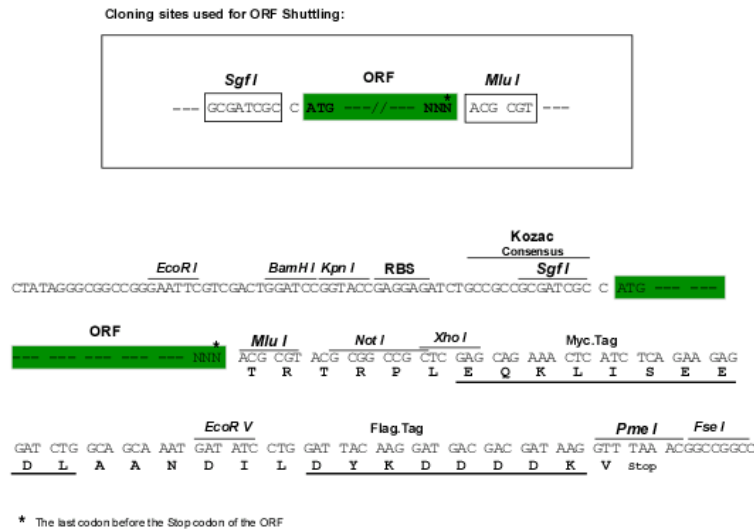
>MR207398 protein sequence
 Red=Cloning site Green=Tags(s)

MEGQDEVSAREQHFHSQVRESTICFLFAILYIVSYFIIIRYKRKSDEQEDEDVAVNRISLFLSTFTLAV
 SAGAVLLL PFSIISNEILLAFPHNYIQLNGSLIHEGFAGLKKGIRARILETLVMLLLLALLILGMVWV
 ASALIDSDAASMESLYDLWEFYLPYLYSCISLMGCLLLLLCTPVGLSRMFTVMGQLLVKPAILEDLDEQI
 YMITLEEEALQRRHLGLSSSVEYNVMELEQELENVKILKTKLERRKKASAWERNLVYPVMVLLLIETSI
 SVLLVACNILCLLVDETAMPKGRPGIGSASLSTFGFVGAALEIILIFYLMVSSVVGFYSLRFFGNFTP
 KKDDTTMTKIIGNCVSILVLSALPVMSRTLGITRFDLLGDFGRFNWLGNFYIVLSYNLLFAIMTTLCLI
 RKFTSAVREELFKALGLHLHLSDTSRDSETTKPSANGHQKAL

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC016110

ORF Size: 1389 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: [BC016110](#), [AAH16110](#)

RefSeq Size: 2134 bp

RefSeq ORF: 1391 bp

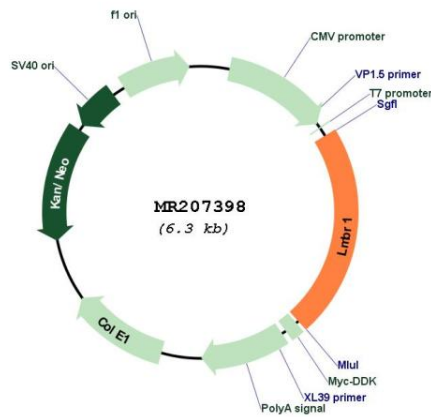
Locus ID: 56873

Cytogenetics: 5 14.81 cM

MW: 52 kDa

Gene Summary: This gene encodes a member of the LMBR1-like membrane protein family. Another member of this protein family has been shown to be a lipocalin transmembrane receptor. A highly conserved, cis-acting regulatory module for the sonic hedgehog gene is located within an intron of this gene. Consequently, disruption of this genic region can alter sonic hedgehog expression and affect limb patterning, but it is not known if this gene functions directly in limb development. [provided by RefSeq, Jul 2008]

Product images:



Circular map for MR207398