

Product datasheet for **MC216825**

Lmbr1 (NM_020295) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Lmbr1
Synonyms:	1110048D14Rik; AU017641
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:

>MC216825 representing NM_020295
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGC**

ATGGAAGGGCAGGACGAGGTGTCGGCGGGGAGCAGCACTCCACAGCCAAGTGCAGAGTCCACGATAT
 GTTTCTTCTCTTTGCCATTCTCTACATCGTTTCTACTTCATCATTATAAGATACAAGAGAAAATCCGA
 TGAACAAGAAGATGAGGATGCTGTAGTCAACAGGATATCGTTGTTCTGAGCACCTTCACTCTAGCCGTG
 TCAGCTGGCGCGGTTTTGCTTTTACCCTTCTCAATCATCAGCAATGAGATCCTGCTTGCTTTTCTCACA
 ACTACTATATTCAGTGGCTGAATGGCTCCCTCATCCACGGTTTGGAATCTTGCTTCTTTATTTTCCAA
 TCTTTGTTTTATTTGTGTTGATGCCCTTTGCCTTTTCTTTCTGGAATCAGAAGGTTTTGCAGGCCGTA
 AAGGAATCCGAGCCCGCATTTTGAAACTCTGGTTATGCTGCTGCTTCTGCGTTGCTGATTCTTGGGA
 TGGTGTGGGTGGCTCCGCCCTGATTGACAGTGATGCTGCCAGTATGGAGTCTTATATGATCTCTGGGA
 ATTCTACTTGCCCTATTTGTATTCTTGCAATTCGCTGATGGGATGCTTGCTGCTTCTTGTGTACTCCA
 GTTGGCTGTCCCGTATGTTACAGTCATGGGTCAAGTTCGCTGGTGAAGCCAGCGATTCTGAAGACCTGG
 ATGAACAAATTTATATGATTACTCTAGAAGAAGAAGCACTCCAGAGAAGACTACATGGGCTATCTTCATC
 GGTGGAGTACAATGTAATGGAATTGGAGCAAGAACTTGAGAATGTAAGATCCTTAAGACAAAATTAGAG
 AGGAGGAAAAAGGCTTCAGCTTGGGAGAGAAATTTGGTGATCCTGCTGTTATGGTTCTCCTTCTTATTG
 AAACATCCATTTAGTCTCCTGGTGGCGTGCAATATTCTTTGCCTGCTGGTTGATGAGACTGCAATGCC
 AAAGGAACAAGGGGCCCGCATAGGAAGTGCCTCTCTTTCCACTTTTGGCTTTGTGGGAGCTGCACTT
 GAAATCATTCTGATTTTCTATCTCATGGTGTCTTCTGTTGTTGTTTCTATAGCCTCAGATTTTTGGAA
 ACTTTACCCCAAGAAGGATGACACAATATGACAAAGATCATTGGGAATTGTGTGCAATCTTAGTCTT
 GAGCTCTGCTTTGCCTGTGATGTCCAGAACTGGGAATCACTAGATTCGATCTACTTGGAGACTTTGGA
 AGATTTAATTGGCTGGGAAATTTCTATATTGTATTATCCTACAATTTACTCTTCGCCATCATGACAACAT
 TGTGTTTGATCAGAAAATTCACATCAGCAGTACGAGAAGAACTTTCAAGGCCCTAGGACTTCACAACT
 TCATTGTGCAGATACCTCAAGGGATTACAGAACTACAAAGCCTTCTGCAATGGGCATCAGAAGCACTG
 TGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_020295

Insert Size:

1473 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:	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:	<u>NM_020295.3, NP_064691.2</u>
RefSeq Size:	4949 bp
RefSeq ORF:	1473 bp
Locus ID:	56873
UniProt ID:	<u>Q9JIT0</u>
Cytogenetics:	5 14.81 cM
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]