

Product datasheet for **MC219388**

Lmnb1 (NM_010721) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lmnb1 (NM_010721) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lmnb1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219388 representing NM_010721
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGACCGCGACCCCCGTGCAGCAGCAGCGGGCGGGCAGCCGCGCCAGCGCCCCGCCACGCCGCTCA
 GCCCACGCGCCTGTCGCGCCTGCAGGAGAAAGAGGAGCTGCGGGAGCTCAACGACCGCCTGGCTGTGTA
 CATCGATAAGGTGCGCAGCCTGGAGACGGAGAACAGCGCCTGCAGCTGCAGGTGACCGAGCGCAGGAG
 GTGCGCGGCCGCGAGCTCACCGCCTCAAGGCTCTCTACGAGACCGAGCTGGCCGACGCACGCCGCGCTC
 TGGACGACACGGCCCGAGCGCGCCAAGCTCCAGATCGAGCTGGCAAGTTCAAGGCCGAGCACGACCA
 GCTGCTGCTCAATTATGCCAAGAAGGAATCTGATCTCAGTGGAGCCAGATCAAGCTTCGAGAGTATGAG
 GCGGCACTAAACTCTAAGGATGCGGCGCTGGCTACTGCCCTAGGGGACAAAAAGAGTTTAGAGGGAGACT
 TGGAGGATCTGAAAGATCAGATTGCCAGCTAGAAGCATCCTTATCTGCCGCAAAAAGCAGTTAGCAGA
 TGAACCTTACTTAAAGTGGATTTGGAGAATCGCTGTCAGAGCCTTACTGAGGACTTGGAGTTTCGTA
 AATATGTATGAAGAGGAGATCAATGAGACAAGGAGGAAGCATGAGACCCGCTTGGTGAAGTGGACTCTG
 GCGTCAGATTGAGTATGAGTACAAGCTGGCTCAAGCCCTGCATGAGATGCGGGAGCAGCACGACGCCGA
 GGTGAGGCTGTACAAGGAAGAGCTGGAGCAGACCTACCACGCCAAGCTTGAGAATGCCAGACTCTCCTCA
 GAGATGAACACTTCCACTGTCAACAGTGCCCGGAAGAGCTGATGGAGAGCCGGATGAGGATCGAGAGCC
 TCTCCTCACAGCTCTCTAACCTGCAGAAAGAGTCTAGAGCGTGTTTGGAAAGGATCCAGGAATTGGAGGA
 CATGCTTGCTAAGGAGAGAGACAACCTCGCGCCGATGCTGTCTGACAGAGAGAGAGATGGCGGAGATC
 AGGGACCAGATGCAGCAGCAGCTGAGTGATTATGAGCAGCTGCTGGACGTGAAGCTGGCCCTGGACATGG
 AGATCAGCGCCTACAGGAAGCTCCTGGAAGGCGAAGAAGAGCGGTTAAAGCTCTCTCCAAGCCCTTCTTC
 CCGGGTGACCGTGTCCAGAGCGTCTCCAGTTCGAGTGTGCGCACCAACAGAGGAAAGCGGAAGAGAGTT
 GATGTGGAGGAGTTCGAGGCGAGCAGCAGTGTAGCATTTCCTCCTCAGCCACGGGAACGTGT
 GCATTGAAGAGATAGATGTTGATGGGAAGTTTATTCGCTTGAAGAACAATCTGAGCAGGATCAACCAAT
 GGGAGGCTGGGAGATGATCAGAAAAATTGGAGACACATCAGTCAGTTACAAATATACCTCAAGATATGTG
 CTGAAGGCTGGCCAGACTGTACAGTGTGGGCTGCAAATGCTGGCGTCACAGCCAGCCCTCCAAGTACC
 TCATCTGGAAGAACCAGAACTCTGGGGTACTGGTGAAGATGTGAAGTTATATTGAAGAATTCTCAGGG
 AGAGGAGGTTGCTCAGAGAAGCACAGTCTCAAGACCACCATACCCGAGGAGGAGGAGGAGGAGGAGGAG
 GAGCCCATCGGAGTGGCTGTGGAGGAGGAGCGTTCCACCAGCAGGGAGCCCAAGAGCATCCAATAAAA
 GCTGTGCCATTATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_010721
- Insert Size:** 1767 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.

RefSeq: [NM_010721.2](#), [NP_034851.2](#)

RefSeq Size: 2871 bp

RefSeq ORF: 1767 bp

Locus ID: 16906

UniProt ID: [P14733](#)

Cytogenetics: 18 30.84 cM

Gene Summary: Lamins are components of the nuclear lamina, a fibrous layer on the nucleoplasmic side of the inner nuclear membrane, which is thought to provide a framework for the nuclear envelope and may also interact with chromatin.[UniProtKB/Swiss-Prot Function]