

Product datasheet for **RR206117**

Lmnb1 (NM_053905) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lmnb1 (NM_053905) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lmnb1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR206117 representing NM_053905
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGACCGCGACCCCCGTGCAGCAGCGGGCGGGCAGCCGCGCCAGCGCCCCGCCACGCCGTTACGCC
 CCACGCGCTGTGCGGGCTGCAGGAGAAAGAGGAGCTGCCGAGCTCAACGACCGTCTGGCGGTGTATAT
 TGACAAGGTGCGCAGCTTGAGACGAGAACAGCGCGCTGCAGCTGCAGGTGACCGAGCGGAGGAGGTG
 CGCGGCCGCGAGCTACCGGGCTCAAGGCTCTCTACGAGACCGAGCTGGCCGACGACGCCGCGCTCTAG
 ACGACACGGCCCCGAGCGCGCAAGCTACAGATCGAGCTGGCAAGTTCAAGGCCGAGCAGCAGCAGCT
 GCTGCTCAATTATGCTAAGAAGGAGTCTGATCTCAGTGGAGCCAGATCAAGCTTCGAGAGTATGAGGCC
 GCGCTAACTCTAAGGATGCAGCACTGGCTACTGCCCTTGGGACAAAAAGATTTAGAGGGAGACTTGG
 AGGATCTGAAAGACCAGATTGCCAGTTGGAAGCATCCCTATCTGCCGCAAAAAGCAGTTGGCGGATGA
 GACTTTGCTTAAAGTGGATCTGGAGAACGTTGTGAGACCTTACTGAGGACTTGGAGTTCGTAATAAT
 ATGTATGAAGAGGAGATCAATGAGACAAGAAGGAGCATGAGACGCGCCTGGTGGAGGTGGACTCCGGGC
 GTCAGATTGAGTATGAGTACAAGCTGGCTCAAGCCCTGCACGAGATGAGAGAGCAGCAGCAGCGCAGGT
 GAGGCTGTATAAGGAAGAGCTGGAGCAGACCTACCACGCCAAGCTTGAGAATGCCAGGCTGTATCAGAG
 ATGAACACTTCCACTGTCAACAGTGCCAGGGGAGGAATGATGGAGAGCCGGATGAGGATCGAGAGCCTTT
 CCTCTCAGCTTTCAACTGCAGAAAGATTCTAGAGCATGCTTGGAAAGGATTCAAGAATTGGAGGACAT
 GCTTGTAAAGAGAGAGACAACCTACGCCGATGCTGTCTGACAAAGAGAGAGATGGCGGAAATAAGG
 GACCAGATGCAGCAGCAGCTGAATGATTACGAACAGCTGCTTGACGTGAAGCTGGCCCTGGACATGGAGA
 TCAGCGCTACAGGAACTCTTGAAGGCGAAGAAGAGCGGTTAAAGCTCTCTCAAGCTTCTTCCCG
 AGTGACCGTGTCCAGAGCCTCGTCCAGCCGAGTGTGCGCACCAAGAGGAAAGCGGAAGAGAGTTGAT
 GTGGAAGAATCAGAGGCGAGCAGTGTGTTAGCATTTCCTCACTCTGCTTACGCCACGGGGAATGTGTGCA
 TTGAAGAGATAGATGTTGATGGGAAGTTTATTCGCTTGAAGAACAACCTTGAACAGGATCAACCAATGGG
 AGGCTGGGAGATGATCAGAAAAATTGGAGACACATCAGTCAGTTACAAATATACCTCAAGATATGTGCTG
 AAGGCCGCCAGACTGTTACAGTATGGGCTGCAAAATGCTGGAGTACAGCCAGTCTTCAACTGACCTCA
 TCTGGAAGAACCAGAACTCTTGGGCACTGGCAGGATGTGAAGGTTGTGTTGAAGAATTCTCAGGGAGA
 GGAGTTGCTCAGAGAAGCACAGTCTTCAAACCTACCATACCTGAGGAGGAGGAGGAGGAGGAGGAGGAG
 CCCATCGGAGTGCCCTGGAGGAGAACGTTTCCACCAGCAGGGAACCCCAAGAGCATCCAATAAAAGCT
 GTGCCATTATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206117 representing NM_053905
 Red=Cloning site Green=Tags(s)

MATATPVQQRAGSRASAPATPFSPTRL SRLQEKEELRELNDR LAVYIDKVRSL ETENSALQLQVTEREEV
 RGREL TGLKAL YETELADARRALDDTARERAKLQIELGKFAEHDQLLLNYAKKESDL SGAQIKLREYEA
 ALNSKDAALATALGDKKSLEGLDLDKQIAQLEASLSAAKKQLADETL LKVDLENRCQSL TEDLEFRKN
 MYEEEINETRKHETRLVEVDSGRQIEEYKLAQALHEMREQHDAQVRL YKEELEQTYHAKLENARLSSE
 MNTSTVNSARGGMMESRMRIESLSSQLSNLQKDSRACLERIQELEDMLAKERDNSRRMLSDKEREMAEIR
 DQMQQQLNDYEQLLDVKLALDMEISAYRKLL EGEERLKLSPSPSSRVTVSRASSRSRVTRTRGKRKRV
 VESEASSSVSISHSASATGNVICIEEIDVDGKFI RLKNTSEQDQPMGGWEMIRKIGDTSVSYKYTSRYVL
 KAGQTVTVWAANAGVTASPPDILWKNQNSWGTGEDVKVVLKNSQGEVAQRSTVFKTTIPEEEEEEEEE
 PIGVPLEEERFHQQGTPRASNKSCAIM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

ORF Size:	1761 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_053905.1 , NP_446357.1
RefSeq Size:	2154 bp
RefSeq ORF:	1764 bp
Locus ID:	116685
UniProt ID:	P70615
Cytogenetics:	18q12.1
MW:	66.6 kDa
Gene Summary:	human homolog is a nuclear lamina protein; involved in nuclear stability, chromatin structure and gene expression [RGD, Feb 2006]