

Product datasheet for **RR204013**

Lmna (NM_001002016) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lmna (NM_001002016) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lmna
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR204013 representing NM_001002016
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGAGACCCCGTCTCAGCGGCGGCCACCCGAGTGGGGCGCAGGCCAGCTCTACCCCGCTGTCGCCCCA
 CTCGGATCACACGGCTGCAGGAGAAGGAGGACCTGCAGGAGCTCAATGACCGTCTGGCCGTGTACATCGA
 TCGCGTGCCTCCCTGGAGACGGAGAACCGGGGCTGCGCCTTCGCATCACTGAGTCTGAAGAGGTGGTC
 AGCCGAGAGGTGTCCGGCATCAAGGCGGCTACGAGGCCGAGCTGGGGGATGCCCGCAAGACCCTCGACT
 CTGTGGCCAAGGAGCGCGCCCGCTCCAGTTGGAGCTGAGCAAAGTGCCTGAGGAGTTCAAGGAGCTGAA
 GGCGCGCAATACCAAGAAGGAGGGGGATTTGTTGGCTGCGCAGGCCCGGCTCAAGGACCTGGAGGCTCTT
 CTAACCTCAAGGAGGCTGCCCTGAGCACTGCTCTCAGTGAGAAACGCACGTTGGAAGGCGAGCTCCATG
 ATCTCGGGGGCAGGTAGCCAAGCTTGAAGCAGCCCTGGGTGAGGCTAAGAAGCAACTCCAGGATGAGAT
 GCTGAGGCGAGTGGATGTGAGAACAGGCTACAGACCCTGAAGGAGGAGCTGGATTTCCAGAAGAACATT
 TACAGTGAGGAACTGCGTGAGACCAAGCGCCGACGAGACCCGGCTGGTGGAGATTGATAATGGGAAGC
 AGCGAGAGTTTGAAGCCGGCTGGCAGATGCTCTGCAGGAGCTGCGGGCCAGCATGAGGACCAGGTGGA
 GCAGTACAAGAAGGAGCTAGAAAAGACATACTCTGCCAAGCTGGATAATGCCCGGAGTCTGCCGAGAGG
 AACAGCAACCTCGTGGGAGCTGCCCATGAGGAGCTCCAGCAGTCTCGAATCCGCATTGACAGCCTCTCAG
 CCCAGCTCAGCCAGCTCCAGAAGCAGTTGGCAGCAAGGAGGCCAAGCTGCGTGACCTGGAGGACTCCCT
 GGCCCGTGAAGCGGATACCAGCCGGCGCCTGCTGGCTGAAAAAGAGCGGGAGATGGCTGAGATGCGGGCA
 AGGATGCAGCAGCAGCTGGATGAGTACCAGGAATTGCTGGACATCAAGCTGGCCCTGGACATGGAGATCC
 ATGCCTACCGAAAAGCTGCTGGAGGGCGAGGAGGAGGCTACGCTGTCCCCAGCCCTACCTCGCAGCG
 CAGCCGTGGCCGCGCCTCCTCCACTCCTCCAGTCTCAGGGTGGAGGCAGCGTACCAAAAAGCGCAAG
 CTGGAGTCTTCTGAGAGCCGGAGCAGTCTCGCAGCATGCTCGCACTAGCGGCCGTGTGGCCGTAGAGG
 AAGTAGATGAAGAGGGCAAGTTGCTGCGCTGCGCAACAAGTCCAACGAGGACCAGTCCATGGGCAACTG
 GCAGATCAGGCGTCAGAATGGTATGATCCTTTGATGACTTATCGCTTCCACCGAAGTTCACCCTAAAG
 GCCGGCAGGTGGTGACGATCTGGGCTTCCAGGAGCTGGGGCCACCCATAGCCCCCTACTGACTTGGTGT
 GGAAGGCACAGAACACTTGGGCTGTGGGAGCAGCCTTCGCACGGCTCTCATCAACGCCACTGGAGAAGA
 AGTGGCCATGCGCAAGCTGGTGCCTCACTGACCATGGTTGAGGACAATGACGATGAGGAAGAGGATGGA
 GATGAGCTGCTCCATCACCATCGTGGCTCCCACTGCAGCAGCTCGGGGACCCCGCTGAGTACAACCTGC
 GCTCACGCACCGTGTGTGCGGGACATGTGGGCAGCCTGCTGACAAGGCTGCCAGTGGCTCAGGAGCCCA
 GGTGGGCGGATCCATCTCTGCTCTTCTGCCTCCAGTGTACAGTCACTCGAAGCTTCCGCAGTGTG
 GGGGGCAGTGGGGTGGCAGCTTCGGGGACAACCTAGTACCCGCTCCTACCTCCTGGGCAACTCCAGTC
 CCCGGACCCAGAGCTCCCAAGTGCAGCATCATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204013 representing NM_001002016
 Red=Cloning site Green=Tags(s)

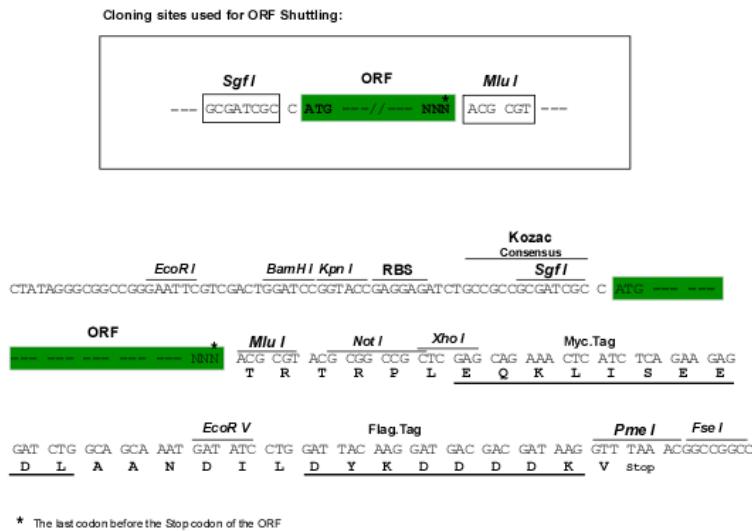
METPSQRRATRSGAQASSTPLSPTRITRLQEKEDLQELNDRLAVYIDRVRSLETENAGLRLRITESEEV
 SREVSGIKAAYEAEALGDARKTLDSVAKERARLQLELSKVREEFKELKARNTKKEGDLLAAQARLKDLEAL
 LNSKEAALSTALSEKRTLEGELHDLRGQVAKLEAALGEAKKQLQDEMLRRVDAENRLQTLKEELDFQKNI
 YSEELRETKRRHETRLVEIDNGKQREFESRLADALQELRAQHEDQVEQYKKELEKTYSAKLDNARQSAER
 NSNLVGAHEELQQSRIRIDSLSAQLSQLQKQLAAKEAKLRDLEDSLARERDTSRLLAEKEREMAEMRA
 RMQQQLDEYQELLDIKLALDMEIHAYRKLEEGEEERLRLSPSPTSQRSRGRASSHSSQSQGGSVTKKRK
 LESSESRSFSQHARTSGRVAVEEVDEEGKFVRLRNKSNEDQSMGNWQIRRQNGDDPLMTRYFPKFTLK
 AGQVVTIWASGAGATHSPPTDLVWKAQNTWGCSSLRRTALINATGEEVAMRKLVRSLTMVEDNDDEEEDG
 DELLHHHRGSHCSSGDPAEYNLRSRTLVLCTGCGQPADKAASGSGAQVGGSISSGSSASSVTVTRFSRV
 GSGGGSGFDNLVTRSYLLGNSSPRTQSSQNC SIM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

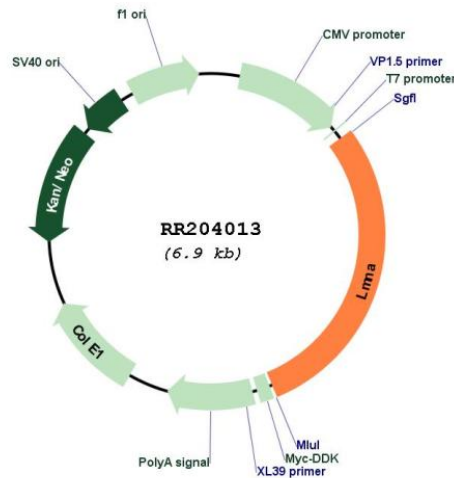
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001002016

ORF Size: 1995 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.

RefSeq: [NM_001002016.2](#), [NP_001002016.2](#)
RefSeq Size: 3112 bp
RefSeq ORF: 1998 bp
Locus ID: 60374
Cytogenetics: 2q34
MW: 74.3 kDa
Gene Summary: a component of the nuclear membrane on the nucleoplasmic side or lamina [RGD, Feb 2006]