

## Product datasheet for MR227404

### Lamc1 (NM\_010683) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lamc1 (NM_010683) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lamc1
Synonyms:	Lamb2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR227404 representing NM_010683 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGGGCGGGCGGGCCGCGCTGGCCCTGCAGCCCCGGGGCGGCTGTGGCCGCTGTTGGCTGTGC  
TGGCGGCTGTGGCGGGCTGTGTCCGGCGGCCATGGACGAGTGC CGGGATGAGGGCGGGCGGCCGACGG  
CTGCATGCCGGAGTTTGTAAATGCCGCCTTCAATGTGACCGTGGTGGCTACCAACACGTGTGGACTCCG  
CCCAGGAGTACTGCGTGCAGACTGGGGTGACCGGAGTACTAAGTCTGTACCTGTGCGACGCCGGCC  
AGCAGCACCTGCAACACGGGGCAGCCTTCTGACCGACTACAACAACCAGGCCGACACCCTGGTGGA  
AAGCCAGACTATGCTGGCCGGGTGCAGTACCCCAACTCCATCAACCTCACGCTGCACCTGGGAAAGGCT  
TTTGACATCACTTACGTGCGCCTCAAGTTCACACCAGCCGTCCAGAGAGCTTCGCCATCTATAAGCGCA  
CTCGGGAAGACGGGCCCTGGATTCTTATCAGTACTACAGTGGGTCTGTGAGAACACGTAACAAGGC  
TAACCGTGGCTTCATCAGGACCGGAGGGGACGAGCAGCAGGCCTTGTGTACTGATGAATTCAGTGACATT  
TCCCCCTCACCGGTGGCAACGTGGCCTTTTCAACCCTGGAAGGACGGCCGAGTGCCTACAACCTTGACA  
ACAGCCCTGTGCTCCAGGAATGGTAAGTCCACTGACATCAGAGTGACGCTCAATCGCCTGAACACCTT  
TGGAGATGAAGTGTAAATGTAACGGACATGCCAGCGAGTGTGTAAGAACGAGTTTGACAACTCATGTG  
GGCGGAGGTGTAATGTAACGGACATGCCAGCGAGTGTGTAAGAACGAGTTTGACAACTCATGTGCA  
ACTGCAAAACATAACACATACGGAGTTGACTGTGAAAAGTGCCTTTCTTCAATGACCGCCGTGGAG  
GAGGGCGACTGCTGAGAGCGCCAGCGAGTGCCTTCTTGTGACTGCAATGGCCGATCCCAAGAGTGCTAC  
TTTGATCTGAACTATACCGTTCCTACTGGACATGGTGGCCACTGTACCAACTGCCGGGATAACACAGATG  
GTGCCAAGTGCAGAGAGTGGCGGAGAAATTTCTCCGCTGGGGAACACTGAAGCCTGCTCTCCGTGCCA  
CTGCAGCCCTGTTGGTTCTCTCAGCACACAGTGTGACAGTTACGGCAGATGCAGCTGTAAGCCAGGAGTG  
ATGGGTGACAAGTGTGACCGTTGTCAGCCTGGGTTCCATTCCCTCACTGAGGCAGGATGCAGGCCATGCT  
CCTGCGATCCTTCGGGCAGCACAGACGAGTGAATGTTGAAACAGGAAGATGCGTTTGCAAGACAAATGT  
TGAAGGCTTCACTGTGAGAGATGCAAACCTGGATTTTTTAATCTGGAGTCATCTAATCCTAAGGCTGC



[View online »](#)

ACACCCTGCTTCTGCTTTGGCCATTCTTCTGTGTGCACAAATGCTGTTGGCTACAGTGTTTATGACATCT  
 CCTCCACCTTTCAGATTGATGAGGATGGGTGGCGCGTGGAGCAGAGAGATGGCTCGGAGGCGTCTCTGGA  
 GTGGTCTCAGACAGGCAAGATATTGCCGTAATCTCAGACAGTTACTTTCCTAGATACTTCATCGCCCT  
 GTGAAGTTCCTGGGCAACCAGGTCTGAGTTATGGGCAGAATCTTTCCTTCTCCTCCGAGTGGACAGAC  
 GAGACTCGCCTCTCCGAGAGGACCTTGCTCGAAGGAGCTGGCTTGAGAGTATCCGTGCCCTTGAT  
 CGCTCAGGGCAACTCTACCCAGCGAGACCAGTGTGAAGTACATCTTCAGGCTCCATGAAGCAACGGAT  
 TACCTTGGAGGCCGCTCTCTCCCGTTTGAATTTGAGAAGCTCCTGAACAACCTGACCTCTATCAAGA  
 TCCGTGGTACATACAGCGAGAGGAGCGCTGGGTACTTGGATGATGTACCTTGCAAAGTCTCGCCCTGG  
 GCCCGAGTCCCTGCAACGTGGGTGGAGTCTGCACCTGTCCAGTGGGATACGGGGACAGTTCTGTGAG  
 ACGTGCCTCCCAGGTACAGAAGAGAACTCCAAGCCTTGGACCTTATAGCCCGTGTGTCTGTACCT  
 GTAATGGGCACAGTGAACCTGTGACCCGGAGACAGGTGTCTGTGACTGCAGAGACAATACAGCCGGCC  
 CCACTGTGAGAAATGTAGCGATGGTACTATGGGGACTCAACCCTGGGCACCTCCTGTACTGCCAGCT  
 TGTCCCTGCCCGGTGGTCAAGTTGTGCCATTGTCCAAAGACAAAGGAAGTGGTGTGCACGCACTGTC  
 CGACTGGCACTGCCGCAAGAGATGTAACTCTGTGATGACGGCTACTTGGAGACCCTCTGGGCAGCAA  
 TGGGCTGTGAGACTGTCCCGCCGTGCCAGTGTAAAGACAACATAGACCCCAACGCGGTTGGCAACTGC  
 AACCGCTGACGGGCGAGTGCCTGAAGTGCATCTATAACACGGCTGGTTTCTACTGCGACCGGTGCAAGG  
 AAGGGTTTTTCGAAATCCCCTGGCTCCAATCCAGCCGACAAATGCAAAGCCTGCGCCTGCAATCCCTA  
 CGGGACAGTGCAGCAACAGAGCAGTGTAAACCCGGTGACCGGACAGTGCAGTGTCTGCCTCATGTGTCT  
 GGCCGCGACTGCGGTACTTGTGACCCTGGTACTACAACCTGCAGAGCGGGAAGGCTGCGAGAGGTGTG  
 ACTGCCATGCTTTGGTTCCACCAATGGGCAGTGTGACATCCGCACCGGGCAGTGTGAGTGCACGCTGG  
 CATCACCGCCAGCACTGTGAGCGCTGTGAGACCAACCACTTTGGGTTTGGACCTGAAGGCTGCAAACCT  
 TGTGACTGTACCATGAAGGATCCCTTCACTCCAGTGTAAAGAGGACGGCCGTTGTGAATGCAGGGAAG  
 GCTTTGTGGCAATCGCTGTGACCAGTGTGAAGAGAACTATTTCTACAATCGGCTCGCCTGGCTGCCA  
 GGAGTGTCCGGCTTGTACCAGCTGGTGAAGGATAAGGTTGCTGAGCATCGAGTAAAACCTCCAGGAGTTA  
 GAGAGCCTCATCGCAACCTTGGCACTGGGATGACATGGTGAAGATCAAGCCTTTGAGGACAGACTTA  
 AGGAAGCAGAAAGGGAGGTGACAGACCTTCTCCGTGAGGCTCAGGAAGTCAAAGATGTAGATCAAATCT  
 GATGGATCGCCTCAGAGAGTAAATAGCAGCCTGCATAGCCAAATAGCCGACTGCAGAAATCCGGAAT  
 ACTATCGAAGAGACCGGATCTTGGCTGAGCGAGCAGGTCCCGAGTGGAGAGTACAGAGCAGCTGATTG  
 AGATCGCCTCCAGGGAGCTCGAGAAAGCAAAAATGGCTGCCGCAATGTGTCAATCACTCAGCCAGAGTC  
 TACAGGGGAGCCAAACAACATGACCCTTGGCAGAAGAAGCCGAAAGCTTGCAGAGCGTCATAAACAG  
 GAAGCCGATGACATTGTACGAGTGGCAAAGACAGCCAACGAGACTTCAGCTGAGGCATATAATCTGCTTT  
 TGAGGACCCTGGCAGGAGAAAATCAAACCTGCGCTGGAGATTGAAGAATTAACCGGAAGTATGAACAAGC  
 AAAGAACATCTCTCAGGACCTGGAGAAGCAGGCTGCCCGAGTCCATGAGGAAGCCAAGCGTGCAGGTGAC  
 AAAGCCGTAGAGATCTATGCCAGTGTGGCCAGCTGACCCCTGTGGACTCTGAGGCCCTGGAGAATGAAG  
 CAAATAAAATCAAGAAAGAAGCTGCAGACCTGGACCGTCTGATTGACCAGAAGCTAAAGGATTACGAGGA  
 CCTCAGGGAAGACATGAGAGGAAAGGAACATGAAGTGAAGAACCTTCTAGAGAAGGGGAAAGCTGAACAG  
 CAGACCGCCGACCAACTCCTAGCTCGAGCCGATGTGCCAAGGCCCTTGTGAAGAAGCTGCTAAGAAGG  
 GACGCACTACCTTACAAGAAGCCAATGACATTTCAACAACCTGAAAGATTTGATAGACGCGTGAACGA  
 TAACAAGACAGCCGCGAAGAAGCTCTAAGGAGAATCCCGCCATCAACCGGACCATAGCTGAAGCCAAT  
 GAGAAGACAAGGAGGCCAGCTAGCGCTGGGCAATGCTGCCGCTGACGCCACGGAGGCCAAGAACAAGG  
 CCCATGAGGCAGAGAGGATTGCCAGCGCGTGCAGAAGAATGCCACCAGTACCAAGGCGGACGCAGAAAAG  
 AACCTTCGGGGAAGTTACAGATCTGGATAATGAGGTGAATGGTATGCTGAGGCAGCTGGAGGAGGCAGAG  
 AATGAGCTGAAGAAGAAGCAAGATGATGCCGACCAGGACATGATGATGGCAGGGATGGCTTCGCAGGCTG  
 CTCAGGAGGCTGAGCTCAATGCCAGAAAGGCCAAAACCTGTGACGAGCCTCCTCAGCCAGCTGAACAA  
 CCTCTTGGATCAGCTAGGACAGCTGGACACAGTGGACCTGAACAAGCTCAATGAGATCGAAGGCTCCCTG  
 AACAAAGCCAAAGACGAAATGAAGGCCAGCGACCTGGACAGGAAGGTGTCTGACCTGGAGAGCGAGGCTC  
 GGAAGCAGGAGGCAGCCATCATGGACTATAACCGGACATAGCAGAGATCATTAAAGGATTTCAACACT  
 GGAGGACATCAAGAAGACCTACCAACCGGCTGCTTCAACACCCGCTCCATCGAGAAGCCC

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

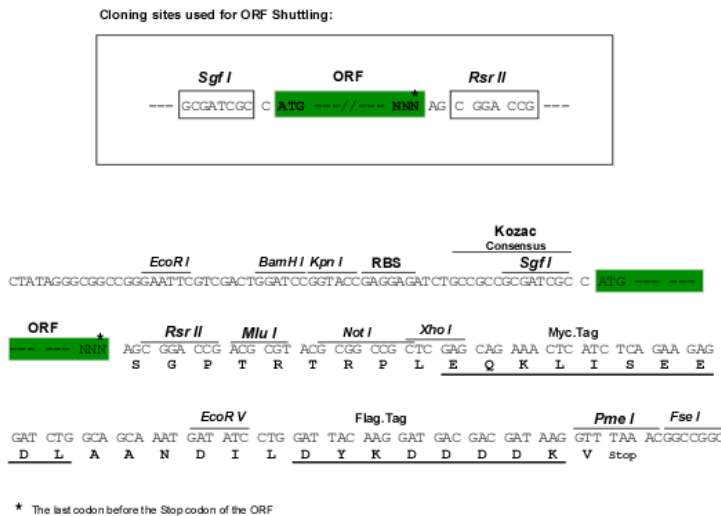
Protein Sequence: >MR227404 representing NM\_010683  
 Red=Cloning site Green=Tags(s)

MTGGGRAALALQPRGRLWPLLAVLAAGCVRAAMDECADEGGRPQRCMPEFVNAAFNVTVVATNTCGTP  
 PEEYCVQTGVTGVTKSCHLCDAGQQHLQHGAFLTDYNNQADTTWQSQTMLAGVQYPNSINLTLHLGKA  
 FDITYVRLKFHTSRPESFAIYKRTREDGPWIPYQYYSGSCENTYSKANRGI RTGGDEQQALCTDEFSDI  
 SPLTGGNVAFSTLEGRPSAYNFDNSPVLQEWVATDIRVTLNRLNTFGDEVFNDPKVLKSYYYAISDFAV  
 GGRCKCNHGASECVKNEFDKLMCNCKHNTYGVDCCKLPPFNDRPWRRATAESASECLPCDCNGRSQECY  
 FDPPEL YRSTGHGGHCTNCRDNTDGAKCERCENFFRLGNTEACSPCHCSPVGSLSLSTQCDYSYGRCSCKPGV  
 MGDKDCRCQPGFHSLEAGCRPCSDPSGSTDECNVETGRCVCKDNVEGFNCERCKPGFFNLESSNPKGC  
 TPCFCFGHSSVCTNAVGYSVYDISSTFQIDEDGWRVEQRDGSEASLEWSSDRQDI AVISDSYFPRYFIAP  
 VKFLGNQVLSYGQNL SF SFRVDRRDRTRLSAEDLVLEAGLRVSVPLIAQGNSYSPSETTVKYIFRLHEATD  
 YPWRPALSPFEFQKLLNNTSIKIRGTYSERSAGYLDVTLQSARPGVGPATWVESCTCPVGGGQFCE  
 TCLPGYRRETPSLGPYSPCVLCTCNHSETCDPETGVCDCRDNTAGPHCEKCS DGYGDSLGTSSDCQP  
 CPCPGSSCAIVPKTKVVCTHCPTGTAGKRCEL CDDGYFGDPLGNSGVPVRLCRPCQCNNDIPNAVGN  
 NRLTGECLKCIYNTAGFYCDRCKEGFFGNPLAPNPADKCKACACNPYGT VQQSSCNPVGTQCQCLPHVS  
 GRDCGTCDPGYYNLQSGQGCERCDCALGSTNGQCDIRTGQCECQPGITGQHCCERCETNHF GFGPEGCKP  
 CDCHHEGSLSLQCKEDGRCECREGFVGNRCDQCEENYFYNRSWPGCQCEPACYRLVKDKVAEHRVKLQEL  
 ESLIANLGTGDDMVTQAFEDRLKEAEREVTDLLREAQEVKDVQNLMDRLQRVNSSLSHSQISRLQNI  
 TIEETGILAEARARSVESTQLIEIASRELEKAKMAANVSITQPESTGEPNNM TLLAEEARKLAEHRKQ  
 EADDIVRVAKTANETSAEAYNLLRLLAGENQTALIEEELNRKYEQAKNISQDLEKQAARVHEEAKRAGD  
 KAVEIYASVAQLTPVDSEALENEANKIKKEAADLRLIDQKLKDYEDLREDMRGKEHEVKNLLEKGAEQ  
 QTADQLLARADAAKALAEAAKKGRSTLQEAANDILNNDKDFRRVNDNKTAEEALRRIPAINRTIAEAN  
 EKTREQLALGNAADATEAKNKAHEAERIA SAVQKNATSTKADAERTFGEVTDLDNEVNGMLRQL EEA  
 NELKKKQDDADQDMMAGMASQAAQEAELNARKAKNSVSSLLSQLNLLDQLGQLDVTDLNKLNEIEGSL  
 NKAKDEMKA S D L DRKVS D L E S E A R K Q E A A I M D Y N R D I A E I I K D I H N L E D I K K T L P T G C F N T P S I E K P

SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM\_010683

ORF Size: 4821 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\\_010683.2](#), [NP\\_034813.2](#)

**RefSeq Size:** 7622 bp

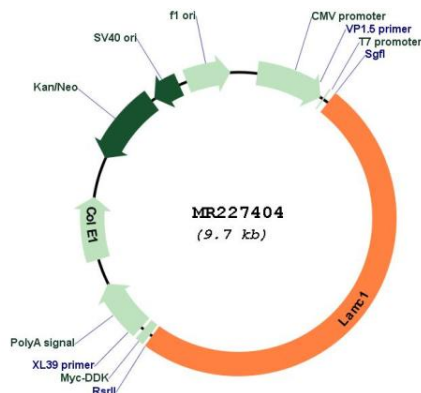
**RefSeq ORF:** 4824 bp

**Locus ID:** 226519

**Cytogenetics:** 1 65.3 cM

**MW:** 177.6 kDa

**Product images:**



Circular map for MR227404