

Product datasheet for RN217538

Lamc2 (NM_001100640) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Lamc2 (NM_001100640) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Lamc2
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN217538 representing NM_001100640
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGCCTGCGCTCTGGCTCAGCTGCTGCCTCGGGTTCGCGCTCCTGCTGCCAGCAGCCAGGCCACCTCCA
 GGAGAGAAGTCTGTGATTGCAATGGGAAGTCCAGGCAGTGCCTTTGACCAGGAGTCCATCGACAGAC
 AGGCAATGGGTTCCGTTGCCTCACTGCAATGACAATACGGCCGGGTTCACTGCGAGAGGTGCAGGGAG
 GGGTTTTACCGGCAGCGAGACAGAGATCGCTGCCTGCCCTGCAACTGCCACTCAAAGGTTCCCTCGGTG
 CTGGATGTGACAACCTCTGGACAATGCAGGTGTAAGCCAGGTGTGGTAGGACAGAGGTGTGACCGATGTCA
 GCCAGGCTTCCATATGCTCACCGATGCTGGATGTACCCGAGACCAGAGGCAACTAGATTCCAAGTGTGAC
 TGTGACCCAGCCGGCATCTCTGGACCCTGTGATTCTGGCCGATGTGTGTGCAAACCAGCCGTCACCTGGAG
 AACGCTGTGACAGGTGCCGAGCAGGCTACTATCATCTGGACAGGGCAAACCCTGAGGGCTGCACCCAGTG
 TTTCTGCTATGGGCATTCAGACAGCTGCCACACCTCTGCTGACTTCAGTGTCCACAAAATCACCTCAACT
 TTCAATCAGGATGAAGATGGTTGAAAGCAGTTCAGAGAAATGGGCGCCTGCAAACTCCACTGGTCAC
 CGCGCCATCAGGATGATTTAGTTCTGCCGAAGATCAGACCCAGTCTATTTCTGTCGCCACCCGCCAAATT
 TCTCGGTAATCAGCAAGTGAGTTACGGGCAGAGCCTGTCTTTGACTACCGCGTGACAGAGGAGGTCTGA
 CACCCATCTGCCTATGATGTGATCCTGGAAGGTGCTGGTCTACAGATCAGAGCTCCTCTGATGCCACCAG
 GCAAGACACTTCCCTGTGGGATCACAAGACTTACACGTTTACAGTTAAACGAACATCCAAGCAGTCACTG
 GAGCCCCAGCTGAGTTATTTTCGAGTATCGAAGGTTACTGCGGAACCTCAGACCCCTCCTCATCCGAGCT
 ACGTACGGAGAATACAGTACAGGGTACATTGACAATGTGACCCTGATTTACAGCCCGCCCTGTCTCTGGAG
 CCCCAGCACCTGGGTTGAACGTTGTGTATGCCCTGCTGGTACAAGGGACAATTCTGCCAGGAATGTGC
 TTCTGGTTACAAAAGAGATTACGAAGACTGGGCTTTTGGCACCTGTGTTCCCTGTAAGTCCAAAGGG
 GGAGGGCCTGTGACCCAGACACAGGGATTGCTACTCAGGGGACGAGAATCCTGACATGAGTGTGCCG
 ACTGCCCCATTGGTTTCTATAACGACCCGACGACCCCGCAGCTGCAAGCCGTGCTCCCTGCCACAATGG
 CTTTCAGCTGTTCCGTGATGCCTGAGACAGAGGAGTGGTGTGCAACAACCTGCCCCCTGGGGTACAGGT
 GCCCGCTGTGAGCTCTGTGCAGATGGCTCTTTGGGGACCCCTTTGGGAACGTGGCCAGTGAGGCCTT
 GTCAGCGGTGCCAATGCAACAACATGTGGACCCAGTGTCTTGGGAACGTGACCAGTTGACAGGCAG
 ATGTTTGAATGCATCTACAACACAGCGGAATCTACTGTGACCAGTCAAAAGCAGGTTACTTCGGAGAC



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CCATTGGCTCCCAACCCAGCAGACAAGTGTGAGCTTGAACCTGCAACCCCTGTGGGCTCGGAGCCTGGAG
 AGTGTGCAAGTGTGGCAGCTGTGTTTGAAGCCAGGCTTTGGAGGCCTCAACTGTGCGCACGCCCGC
 CCTAACCAAGTTGCCCTGCTTGTACAATCAAGTGAAGACTCAGATGGACCAGTTTGGCCAGCAGCTCCAG
 AACTTGGAGGCCCTGGTTTCAAAGGCTCAGGGTGGTAATGGTGCAGTCCCAGCGAGGAGCTGGAAGGCA
 GGATGCAGCAGGCTGAGCAGGCCCTCGAGACATTCTGAGAGAAGCTCAGATTTTCAAGAAGGTGCTATGAG
 AGCCCTCAGCCTCAGCTGGCCAAGGCAAGGAGCCAAGAGAACAACAACAAGAACCCTGGATGACCTC
 AAGTGAAGTGTGAAAGGATTCCGGCCCTGGGCAGTCAGTATCAGAACCAGTTTCCAGGATACAAGCAGAC
 TCATCTCTCAGATGCGCCTGAGCCTGGCAGAAAGTGAAGCTTCCCTGCAAAACACTAACATCCATTCTC
 TGAGCACTACGTGGGCCAAATGGATTTAAAAGTCTGGCTCAGGAGGCCGCAAGATTGGCAGATAGCCAT
 GTTGAGTCAGCTAACACAATGAAGCAGCTAACGAGGAAACCGAGGACTATTCCAAAACAAGCACTTTCAT
 TGGCCCGCAAGGCTCTGAGTGGAGGAGGTGGAAGCGGTGTCTGGACAGCTCCGTGGTACAAGGTCTTAT
 GGGAAAATTAGAGAAAACCAAGTCCCTGACCCAGCAGTTGTCAAGGGAGGGCACCCAAGCCGACATCGAA
 GCTGATAGGTCTATCAACATAGTCTCCGCTCCTGGATTGAGCGTCTCAGCTTCAGGGAATCCGTGATT
 CCTCTTTTTCAGGCAGAGGCAAAGAGGATCAGGCAGAAGGCTGATTCCTCTCCAAGTGGTACCAACA
 AATGGATGCATTCACGAGTGTGCGAAACAATCTGGGGAAGTGGGAAAAGAAACACGGCAGCTCTTGCAG
 ACTGGGAAGGACAGAAGACAGACTTCGGATCAGCTGCTTTCCCGTGCCAACCTTGCTAAAAGCAGAGCCC
 AAGAAGCGCTAAGTATGGGCAATGCCACTTTTTATGAAGTTGAGAATCCTAAAGAACCTCAGAGAGTT
 TGATCTGCAGGTTGAAGACAGAAAAGCAGAGGCTGAGGAGGCCATGAAGAGACTCTCTATATTAGCCAG
 AAGGTTGCAGATGCCAGTGACAAGACCCAGCAAGCAGAAACGGCCCTGGGGAGCGCCACTGCTGACACCC
 AACGGGCAAAAGACGCAGCTACGGAGGCCCTAGAGATCACCAGCGAGATAGAGCAGGAGATAGGGAGTCT
 GAAGTTGGAAGCCAATGTGACAGCAGATGGGGCCTTGGCCATGGAAAAGGGACTGGCCACTCTGAAGAGC
 GAGATGAGAGAGGTGGAAGGGGAGTTGGCCAGGAAGGAGCTTGAATCCACACGGATAAAGACTCCTTGC
 AGCTGGTGATTACTGAAGCCCAGCAAGCTGATGCCAGAGCCAAGAGCACGGGAGTTACGATCCAAGACAC
 GCTCAACACATTGGAAGGCATCCTGCGCCTAATAGACCAGCCTGATGCTGTGGATGAAGAGGGGCTGATG
 CTGTTAGAACAAGAGCTTTTCCAAGCCAAGACCCAGATCAACAGTCGACTTCGGCCCTTGTGTCTGAAC
 TGGAGGACAGGGCGCTCGACAGAGCAACCACCTCCACCTGCTGGAGACCAGCATAGATGGGATTCTAGC
 CGATGTGAAGAACCTGGAGAACATTCGAGACAACCTGCCCCAGGCTGCTACAACACCCAAGCTCTTGAG
 CAGCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001100640
- Insert Size:** 3579 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001100640.1](#), [NP_001094110.1](#)

RefSeq Size: 5157 bp

RefSeq ORF: 3579 bp

Locus ID: 192362

Cytogenetics: 13q21

Gene Summary: extracellular matrix glycoprotein; plays a major role in cell migration and differentiation [RGD, Feb 2006]