

## Product datasheet for **MC223201**

### Emilin1 (NM\_133918) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Emilin1 (NM\_133918) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Emilin1  
**Synonyms:** 5830419M17Rik; AW229038; BB105748; EMILIN-1; gp115  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223201 representing NM\_133918  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGCCCCAGAGCCCTCTGGAGCTGCTATCTCTGCTGTCTGCTGACCATAGCCACGGAAGCTGCCAGT  
ACCCTCCTCGAGTTACAGCCTCTACACAGGAGGCACTGGGGCCCTGAGTCTGGGGACCCAGGCCCA  
GAACTCACCACGGCCTGCCAGCCGCCACAGGAAGTGGTGTGCCTACGTGGTACTCGGACAGTGAAGTGC  
GTCCTTGAGGATGGAGTGGAGACCAATTGTCAAGCCAGACTATCAACCCTGTGGCTGGGGCCAGCCCACT  
GTTCCCGAAGTATCATGTACCGGAGCTTCTTCGCCCTCGCTATCGGGTGGCTACAAGACAGTGACAGA  
CATGGAGTGGAGGTGCTGTCAAGGTTATGGGGCGATGACTGTGGAGAGGGCCCTGCTTCCGTTCTGGGC  
CCAGCACCCCTCCACCACTTCCCGGCCAGGCTGTGCGCCCAACCTGTCTGGCTCCAGTGCCGGCA  
GCCATCTCAGTGGACTGGGAGGAGAAGTCTGTTGAGTCAGAGAAGGTGCAGCAGCTAGAGCGGCAGGT  
GAAGAGTCTGACCAAAGAGCTGCAAGGCCTTCGGGGTGTCTGCAGGGGATGAATGGCGCCTAGCAGAA  
GATGTACAGCGAGCTGTGGACACAGTCTTAATGGAAGGCAGCAGCCAGCAGATGCAGCTGCCCGCCCGG  
GCGTGCATGAAACCCCTCAGTGAGATCCAGCAGCAGCTGCAGCTCCTGGACAACCGTGTCTCCACTCATGA  
CCAGGAGCTGGGCCACCTTAACAACCATCATAATGGAGGCCCTGGTGGAGGTGGCAGGGCCCTCAGGCCCT  
GTCCAGTTCTTCTGGCCCCAGTGAAGAAGTGTAAAGGCAGCTGGAACGGCAGCTGCAAGAGTCTTGCT  
CAGTGTGCTGACGGGGCTGGATGGCTTCCGCCAGCAGCAGCAAGAGGATAGGGAGCGGCTGCGAACCT  
GGAGAAGCTAATGTCTCTATGGAGGAGCGGCAGCAACAGCTTGTGGACCTGCCATGGCCAGGAGACCC  
CCTCAGGAATGCTGCCCCAGAGCTGGTTCGACGAGTGTCTGAGCTGGAGCGGAGGCTAGATGTAGTGA  
CTGGCTCACTGACAGTGTAAAGTGGACGCAGAGGTTCTGAGCTTGGAGGAGCAGCTGGCCAGGGGGCCA  
CCCTCCAGGCTACACCAGCTTGGCTCCCGCTTCTCGCCTGGAGGACCCTTCAACTTACCCTAGGT  
CCCTCAGAGGAGCAAGAGAAGAAGTGGCTGGAGGACCAGGGAGGCTGGGCCACTGGTTGCCTGCTGCTC  
CAGGACGCTAGAAAAGCTGGAGGGACTACTAGCCAATGTGAGCAGGGAGCTGGGTGGCCCATGGATCT  
GCTGGAAGAGCAGGTGGCAGGGGCTGTTCCGACTTGTGGGCAGATTTGCTCTGGGCACCCGGGGAACAG  
GATTCTCGGGTCAATGAGATCCTCAGTGCTTGAACGCAGGGTCTGGACAGCGAGGGCCGGTTACAGC



TAGTGGGCTCTGGCTTGCATGAAGCAGAGGCAGCAGGGGAGGCTCAGCAGGCCGTGTTGGAGGGACTGCA  
 AGGGCTCTGAGCCGGCTTCGGGAGCGCATGGATGCACAGGAGGAGACTGCAGCAGAAATCTTACTGCGC  
 CTCAATCTTACCGCAGCCAGCTAAGCCAGCTGGAGGGTCTGCTCAAGCCCGTGGGGATGAGGGTTGTG  
 GCGCCTGTGGTGGTGTCCAGGAGGAGCTGGGCCGCTTCGGGATGGTGTGGAACGTTGCTCCTGCCATT  
 GTTACCTCCACGGGGCCCTGGAGCTGGCCAGGGGTTGGGGACCAAGCCGTGGGCTCTGGATGGTTTC  
 AGTGTGTTTGGGGCAGTTCAGGCTCAGCCCTCAGGCCCTCAAGGAGAACTCTCTGAGGTTATTCTCA  
 CCTTCAGCTCCCTGAACGACTCACTCCACGAGCTCCAGACCAGTGTGGAGGGTCAGGGTGCCGATCTGGC  
 TGACCTGGGGCCACCAAGGACAGCATCTCTGAAATCAACAGACTACAGCAGGAGGCCACGGAGCAC  
 GTCACAGAGAGCGAGGAGCGCTTCCGAGGCCTGGAGGAGGGCCAGGCACAGGCTGGCCAATGCCCTAGT  
 TAGAGGGGCGATTAGCCGCTTGGAGGAGTCTGCGAACGACTGGACACCGTGGCAGGGGGACTACAAGG  
 CCTACGTGAAGGCCTCTCCAGACAGTGGCTGGGCTCTGGGCTGCAGTACGGGAAAGCAACAGCACCAGC  
 CTGACACAGGCCGCTGCTGGAGAAGCTGCTGGGGGGCCAGGCAGGCCTGGGCAGGCGGCTTGGTGCC  
 TCAACAATTCCCTGCTGCTCTGGAAGACCGTCTGCAGCAACTTAGCCTAAAGGACTTCACTGGACCTT  
 AGGCAAGGCTGGGCCCCAGGGCTCCCGGGCTACAAGGGCTTCAAGGCCCTGCAGGACCTCCAGGACCT  
 CCTGGCAAAGACGGACAACAGGGGGCCATTGGCCACCAGTCTCAAGGGGAGCAGGGAGCGGAGGGAG  
 CACCAGCAGCCCTGTGCCTAGGGTAGCATTTTACAGTGCCTGAGTTTGCACGGTTCAGAACCTGGCAC  
 AGTCCCCTTCGACAGAGTCTTGCTCAATGATGGAGGCTACTATGACCCAGAGACAGGTGTATTCACTGCA  
 CCACTGGCTGGACGCTATTTGCTGAGCGTGTACTTACTGGGCACCGGCATGAGAAAGTGAAGCAGTAT  
 TGTACGCTCAAACCTGGGCGTGGCCCGCATAGACTCGGGAGGCTATGAACCCGAGGGACTGGAGAATAA  
 GCCTGTGGCCGAAAGTCAGCCCAGCCAGGCGCTCTGGGCGTCTTCAGCCTCATTCTGCCACTGCAGGTC  
 GGAGACTGTCTGCATCGACCTGGTCTATGGGGCAGCTGGCACACTCCGAGGAGCCGCTCACCATCTTCA  
 GCGGAGCCCTGCTCTACGAGGACACAGAGCTTGAACAGGT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_133918

**Insert Size:** 3054 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\\_133918.2](#), [NP\\_598679.1](#)

**RefSeq Size:** 3466 bp

**RefSeq ORF:** 3054 bp

Locus ID: 100952

UniProt ID: [Q99K41](#)

Cytogenetics: 5 B1

**Gene Summary:** May be responsible for anchoring smooth muscle cells to elastic fibers, and may be involved not only in the formation of the elastic fiber, but also in the processes that regulate vessel assembly. Has cell adhesive capacity (By similarity). May have a function in placenta formation and initial organogenesis and a later role in interstitial connective tissue.[UniProtKB/Swiss-Prot Function]