

## Product datasheet for **MC218941**

### **Ecm1 (NM\_007899) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ecm1 (NM_007899) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ecm1
Synonyms:	AI663821; p85
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >MC218941 representing NM\_007899  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGACCGTATCCAGAGCAGCCTTGATCTTGGCCTGCTTGGCTCTTGCTTCTGCTGCCTCTGAGGGAG  
 CCTTCAAGGCTTCAGACCAGCGAGAGATGACGCCAGAGCGCCTCTCCAGCACCTCCATGAAGTAGGTTA  
 TGCAGCACCCCTTCCCCACCACAAACCCGGAGACTCCGAGTTGACCACTCTGTAACCTTCTGTCATGAC  
 CCTCCCCTCTTTGAGGAACAAAGAGAAGTGCAGCCCCCTTCTCTCCAGAAGACATCCCTGTGTACGAGG  
 AAGACTGGCCACTTTCTAAACCTAATGTAGATAAAGCTGGTCTGCTGTCCCAAGAAGCCATCCC  
 CCTGCAGAAAGAGCAGCCCCCTCCCAAGTCCATATTGAACAGAAGGAAATAGACCCGCCTGCCAGCCT  
 CAGGAGGAGATTGTCCAGAAAGAGGTGAAGCCACACACCTTGGCGGGCCAGCTCCCTCCAGAGCCCCGGA  
 CTTGGAATCCAGCCCGTCACTGCCAGCAGGACGGAGAGGTGTCTGGGGCCACCGGTGGATGGCTTCCC  
 TCCTGGACGGCCTTCTCCAGACAATCTGAAGCAGATCTGCCTTCTGAGCGTCAGCATGTGATCTACGGC  
 CCCTGGAACCTGCCGAGACTGGCTACTCTCACCTTAGTCGCCAGGGAGAGACCCCAATGTGCTGGAGA  
 CCGGATACTCCCCTGCTGTCGCTGCCGACGACACAAACCCGCCTAGACTGTTTGAAGCTTGTGTGGGA  
 GGATGCAATGACCCAATTTGTGAGGCCGAATCTCTGTCAAGACCCGCCCCACCTGTGCTGCAGACTG  
 CGTGGGGAGGAGCGATTCTTTGCTTCCAGAAGGAAGCTCCTCGCCAGACTACCTGCTCCGACCCCTGCC  
 CCGTCCACCAGAAATGGCATGTCTCAGGGCCCCAGTTGCCTTTCCCCCGGGGTTGCCACACCCGGACAA  
 TGTCAAAAACATCTGTCTCCTGAGACGCTTCCGCGCCGTGCCACGCAACCTCCAGCTACTGACGCCATC  
 CAGAGGCAGCTGCAGGCTCTGACTCGGCTGGAGACGGAGTCCAGCGCTGCTGCCGCCAGGGCCACAACC  
 ACATTTGCACATGGAAGGCCTGGGAGGGTACCTGGATGGATACTGCGAGCGGAGCTGGCTATAAAGAC  
 CCACCCCACTCGTGTGCCACTACCCTCCTAGTCTGCCCCTGATGAGTGCTTCGCCCACTAGCTCCC  
 TATCCCAACTATGACCGGATATCTTGACCCTTGACCTCAGCCGAGTCAACCCCAACCTCATGGGCCAGC  
 TCTGTGGAAGTGAAGGGTCTTAGCAAGCATAAACAGATTCCGGGGCTGATCCAGAATATGACCATCCG  
 CTGCTGCGAGTTCCATATCCAGAACAGGCCTGCTGCGGCGAAGAGGAGAACTGGCCTTCATCGAGAAC  
 CTCTGTGGTCCCCGGAGGAATTCGTGGAAGACCCCTGCCCTCTGCTGTGACCTGTCTCCTGAAGATAAGC  
 AAATCAACTGCTTCAATACCAACTACCTGAGGAACGTGGCTTTAGTGGCTGGAGACTGGGAATGCCAC  
 TGGCTTGGGGAGCAGGGCCCAACTCGGGGAACAGATGCCAACCCCGCCCTGGGTCCAAGGAAGAA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_007899

**Insert Size:** 1680 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\\_007899.2](#), [NP\\_031925.2](#)

**RefSeq Size:** 1900 bp

**RefSeq ORF:** 1680 bp

**Locus ID:** 13601

**UniProt ID:** [Q61508](#)

**Cytogenetics:** 3 40.91 cM

**Gene Summary:** Involved in endochondral bone formation as negative regulator of bone mineralization. Stimulates the proliferation of endothelial cells and promotes angiogenesis. Inhibits MMP9 proteolytic activity (By similarity).[UniProtKB/Swiss-Prot Function]