

## Product datasheet for **MC228302**

### **Ecm1 (NM\_001252653) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ecm1 (NM_001252653) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ecm1
Synonyms:	A1663821; p85
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228302 representing NM\_001252653  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGACCGTATCCAGAGCAGCCTTGATCTTGGCCTGCTTGGCTCTTGCTTCTGCTGCCTCTGAGGGAG  
 CCTTCAAGGCTTCAGACCAGCGAGAGATGACGCCAGAGCGCCTCTCCAGCACCTCCATGAAGTAGGTTA  
 TGCAGCACCCCTTCCCCACCACAAACCCGGAGACTCCGAGTTGACCACTCTGTAACCTTCTGTCATGAC  
 CCTCCCCTCTTTGAGGAACAAAGAGAAGTGCAGCCCCCTTCTCTCCAGAAGACATCCCTGTGTACGAGG  
 AAGACTGGCCCACTTTCTAAACCTAATGTAGATAAAGCTGGTCTGCTGTCCCAAGAAGCCATCCC  
 CCTGCAGAAAGAGCAGCCCCCTCCCAAGTCCATATTGAACAGAAGGAAAACCCGCTGCCAGCCTCAG  
 GAGGAGATTGTCCAGAAAGAGGTGAAGCCACACACCTTGGCGGGCCAGCTCCCTCCAGAGCCCCGACTT  
 GGAATCCAGCCCGTCACTGCCAGCAGGGACGGAGAGGTGTCTGGGGCCACCGGCTGGATGGCTTCCCTCC  
 TGGACGGCCTTCTCCAGACAATCTGAAGCAGATCTGCCTTCTGAGCGTCAGCATGTGATCTACGGCCCC  
 TGGAACTGCCGAGACTGGCTACTCTACCTTAGTCGCCAGGGAGAGACCTCAATGTGCTGGAGACCG  
 GATACTCCCGTCTGTGCTGCTGCCGACGACACAAACCCCTAGACTGTTTGAAGCTTGTGTGGGAGGA  
 TGCAATGACCCAATTTTGTGAGGCCAATTCTCTGTCAAGACCCGCCCCACCTGTGCTGCAGACTGCGT  
 GGGGAGGAGCGATTCTCTTGCTTCCAGAAGGAAGCTCCTCGCCAGACTACCTGCTCCGACCCTGCCCG  
 TCCACCAGAAATGGCATGTCTCAGGGCCCCAGTTGCCTTCCCCCGGGTTGCCACACCCGACAATGT  
 CAAAAACATCTGTCTCCTGAGACGCTTCCGCGCGTGCCACGCAACCTCCAGCTACTGACGCCATCCAG  
 AGGCAGCTGCAGGCTCTGACTCGGCTGGAGACGGAGTTCCAGCGTGTGCCGCCAGGGCCACAACCACA  
 CTTGCACATGGAAGGCCCTGGGAGGGTACCCTGGATGGATACTGCGAGCGGAGCTGGCTATAAAGACCCA  
 CCCCCACTCGTGTGCCACTACCCTCCTAGTCCTGCCCCGTGATGAGTGCTTCGCCACCTAGCTCCCTAT  
 CCCAACTATGACCGGGATATCTTGACCCTTGACCTCAGCCGAGTACCCCCAACCTCATGGGCCAGCTCT  
 GTGGAAGTGAAGGGTCTTAGCAAGCATAAACAGATTCCGGGGCTGATCCAGAATATGACCATCCGCTG  
 CTGCGAGCTTCCATCCAGAACAGGCTGCTGCGGCGAAGAGGAGAACTGGCCTTCATCGAGAACCCTC  
 TGTGGTCCCCGGAGGAATTCGTGAAAGACCTGCCCTCTGCTGTGACCTGTCTCCTGAAGATAAGCAA  
 TCAACTGCTTCAATACCAACTACCTGAGGAACGTGGCTTAGTGGCTGGAGACTGGGAATGCCACTGG  
 CTTGGGGAGCAGGGCCCAACTCGGGAAACAGATGCCAACCCCGCCCTGGGTCCAAGGAAGATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001252653

**Insert Size:** 1677 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\\_001252653.1](#), [NP\\_001239582.1](#)

**RefSeq Size:** 1897 bp

**RefSeq ORF:** 1677 bp

**Locus ID:** 13601

**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]