

Product datasheet for **RN214914**

Ecm1 (NM_053882) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ecm1 (NM_053882) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ecm1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN214914 representing NM_053882
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGGACCATACGCAGCTCAGCCTTGATCTTGGCCTGCTTGGCTCTTGCTTCTGCTGCCTCTGAGGGAG
 CCTTCAAGGTTTCAGACCAGAGAGAGATGAAGCCAGAGCACCTCTCCAGCACCTCCATGAAGTAGGCTA
 TGCAGCACCCCTTCCCCACCACAAACCCGGAGACTCCAAGTTCACCACTCCGAAACTTCTCCGCATGAC
 CCTCCCCTCTTTGAGGAACAAAAAGAAGTGCAGCCCCCTTCTTCCCAGAAGACATCCCTGTGTATGAGG
 AGGAATGGCTCACTTTCCTAAACCCTAATGTAGGTAAAGTGGATCCTGCTCTCCCTCAAGAAGCCATCCC
 CCTGCAGAAAGAGCAGCCCCCTCCTCGAATCCCAATTGAACAGAAGGAAATAGACCCACCTGTCCAACAT
 CAGGAGGAGATTGTTCCAGTCCCGGCAGAAAGAGGAGAAGCCACCTTGACGGCCAGCATCCTCCAG
 AGCCCCGAACCTTGAATCCAGCCCGTCACTGCCAGCAGGACGGAGAGGTATCTGGGGCCACCGGTGGA
 TGGCTTCCCTCCTGGACGGCCTTCTCCAGACAATCTGAAGCAGATCTGCCTTCTGAGCGCCAGCAGCTG
 GTCTATGGCCCCGGAACCTGCCACAGACTGGCTACTCTACCTTAGTCGCCAGGAGAGGCCCTCAATT
 TGCTGGAGACCGGATATCCCGCTGCTGTCGCTGCCGCAGCGACACAAATCGCCTAGACTGTGTGAAGCT
 TGTGTGGGAGGACGCAATGACCCAGTTCTGTGAGGCTGAATTCTCTGTCAAGACCCGACCCACCTGTGC
 TGCAAACAGCGTGGGGAGGAGCGATTCTTGTCTCCAGAAGGAAGCTCCTCGGCCGACTACCTGCTCC
 GACCTGCCCATCCACCAGACTGGCATTCTCAGGAACCCAACCTGCCTTCCCTCCGGGGTTGCCAC
 ACCGGACAATGTCAAAAACATCTGTCTCCTGAGACGCTCCGCTCCGTGCCGCGCAACCTCCCAGCTACT
 GACGCCATCCAGAGGCAGCTGCAGGCTGACCCGGCTGGAGACGGAGTCCAGCGCTGCTGCCGCCAGG
 GTCACAACCACACTTGACATGGAAGGCTGGGAGGATACCTGGATGGATACTGTGATCGGGAGCTGGC
 TATAAAGACCCACCCCACTCGTGTGCCACTACCTCCAAGTCTGCCGTGATGAATGTTTTGCCAC
 CTCGCTCCCTATCCCAACTATGACCGGGATCTTGTGACCGTTGACCTTAGCCGAGTCACCCCAACCTCA
 TGGACCATCTCTGTGAAACGGAAGAGTTCTCAGCAAGCATAAACAGATCCCTGGCCTGATCCAGAACAT
 GACTGTCCGCTGCTGCGAGCTGCCATACCAGAACAGGCTGCTGTGGTGGAGGAGGAAACTGGCTTTC
 ATTGAGGATCTCTGTGGTCCCCGGAGAACTCCTGGAAAGATCCTGCCCTCTGCTGTACCTTGTCTCCTG
 GAGATAACAAGCCAACCTGCTTCAATACCAACTACCTGAGGAATGTGGCTTAGTGGCTGGAGACTGG
 GAATGCCACTGGCTGGGGCAGCAGGGCCCAACTGGGGGAACAAATGTCGGCCCCGCCCTGGGTCCAAG
 GAAGA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_053882
- Insert Size:** 1689 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_053882.1](#), [NP_446334.1](#)

RefSeq Size: 1913 bp

RefSeq ORF: 1689 bp

Locus ID: 116662

UniProt ID: [Q62894](#)

Cytogenetics: 2q34

Gene Summary: mouse homolog is an extracellular protein found in a stromal osteogenic cell line [RGD, Feb 2006]