

Product datasheet for **RR214914**

Ecm1 (NM_053882) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR214914 representing NM_053882
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGGACCATACGCAGCTCAGCCTTGATCTTGGCCTGCTTGGCTTCTGCTTCTGCTGCCTCTGAGGGAG
 CCTTCAAGGTTTCAGACCAGAGAGAGATGAAGCCAGAGCACCTCTCCAGCACCTCCATGAAGTAGGCTA
 TGCAGCACCCCTTCCCCACCACAAACCCGGAGACTCCAAGTTCACCACTCCGAAACTTCTCCGCATGAC
 CCTCCCCTCTTTGAGGAACAAAAAGAAGTGCAGCCCCCTTCTTCCCAGAAAGACATCCCTGTGTATGAGG
 AGGAATGGCTCACTTTCCTAAACCCTAATGTAGGTAAAGTGGATCCTGCTCTCCCTCAAGAAGCCATCCC
 CCTGCAGAAAGAGCAGCCCCCTCCTCGAATCCCAATTGAACAGAAGGAAATAGACCCACCTGTCCAACAT
 CAGGAGGAGATTGTTCACTCCCGCAGAAAGAGGAGAAGCCACCTTGACGGCCAGCATCCTCCAG
 AGCCCCGAACCTTGAATCCAGCCCGTCACTGCCAGCAGGACGGAGAGGTATCTGGGGCCACCGGTGGA
 TGGCTTCCCTCCTGGACGGCCTTCTCCAGACAATCTGAAGCAGATCTGCCTTCTGAGCGCCAGCAGCTG
 GTCTATGGCCCCGGAACCTGCCACAGACTGGCTACTCTACCTTAGTCGCCAGGAGAGGCCCTCAATT
 TGCTGGAGACCGGATATCCCGCTGCTGTCGCTGCCGCAGCGACACAAATCGCCTAGACTGTGTGAAGCT
 TGTGTGGGAGGACGCAATGACCCAGTCTGTGAGGCTGAATTCTCTGTCAAGACCCGACCCACCTGTGC
 TGCAAACAGCGTGGGAGGAGCGATTCTTGTCTCCAGAAGGAAGCTCCTCGGCCGACTACCTGCTCC
 GACCTGCCCATCCACCAGACTGGCATTCTCAGGAACCCAACCTGCCTTCCCTCCGGGGTTGCCAC
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 GACGCCATCCAGAGGCAGCTGCAGGCTCTGACCCGGCTGGAGACGGAGTCCAGCGCTGCTGCCGCCAGG
 GTCACAACCACTTGCACATGGAAGGCCTGGGAGGATACCTGGATGGATACTGTGATCGGGAGCTGGC
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 CTCGCTCCCTATCCCAACTATGACCGGGATCTCTTGACCGTTGACCTTAGCCGAGTCACCCCAACCTCA
 TGGACCATCTCTGTGAAACGGAAGAGTCTCAGCAAGCATAAACAGATCCCTGGCCTGATCCAGAACAT
 GACTGTCCGCTGCTGCGAGCTGCCATACCCAGAACAGGCTGCTGTGGTGGAGGAGGAAACTGGCTTTC
 ATTGAGGATCTCTGTGGTCCCCGGAGAACTCCTGAAAGATCCTGCCCTCTGCTGTACCTTGTCTCCTG
 GAGATAACAAGCCAACCTGCTTCAATACCAACTACCTGAGGAATGTGGCTTAGTGGCTGGAGACTGG
 GAATGCCACTGGCTGGGGCAGCAGGGCCCAACTGGGGGAACAAATGTCGGCCCCGCCCTGGGTCCAAG
 GAAGAA

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

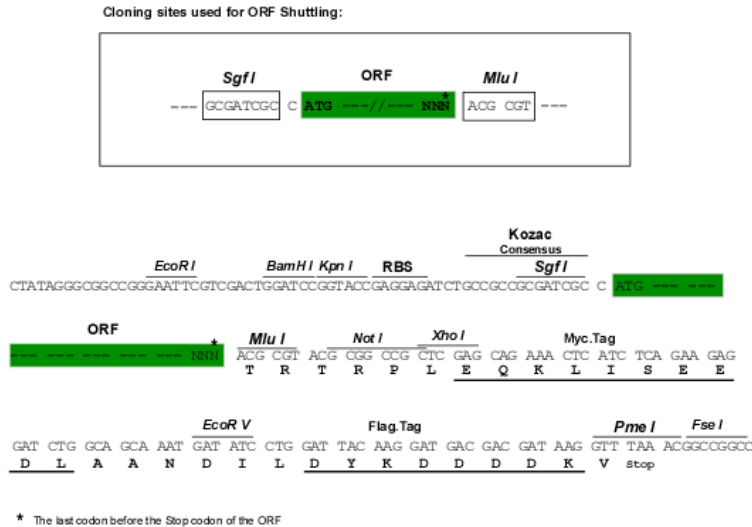
>RR214914 representing NM_053882
 Red=Cloning site Green=Tags(s)

MGTIRSSALILACLALASAASEGAFKVSQDQREMKEPEHLFQHLHEVGYAAPPSPQTRRLQVHHSETSPHD
 PPLFEEQKEVQPPSSPEDIPVYEEEWLTFLNPNVGKVDPALPQEAIPLQKEQPPRIPIEQKEIDPPVQH
 QEEIVQSRQKEEKPPPTLTGQHPPEPRTWNPARGCQQGRRGIWGHRLDGFPPGRPSDNLKQICLPERQHV
 VYGPWNLPTQGYSHLSRQGEALNLLLETGYSRCCRCRSDTNRLDCVKLVWEDAMTQFCEAEF SVKTRPHLC
 CKQRGEERFSCFQKEAPRPDYLLRPCPIHQGTGISSGTQLPFPPGLPTPDNVKNICLLRRFRSVPRLPAT
 DAIQRQLQALTRLETFQRCCRQGHNHTCTWKAWEDTLDGYCDRELAIKTHPHSCCHYPPSPARDECFAH
 LAPYPNYDRDLLTVDLRVTPNLMHLCGNGRVL SKHKQIPGLIQNMTVRCELPYPEQACCGEEKLAFL
 IEDLCGPRRNSWKDPALCCTLSPGDKQANCFNTNYLRNVALVAGDTGNATGLGQQGPTGGTINVGPAPGSK
 EE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_053882

ORF Size: 1686 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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

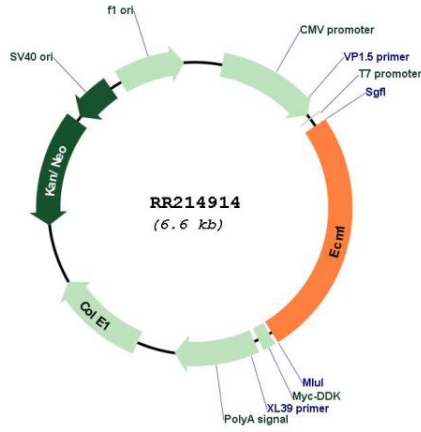
UniProt ID: [Q62894](#)

Cytogenetics: 2q34

MW: 63.2 kDa

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

Product images:



Circular map for RR214914