

Product datasheet for **MR230513**

Ecm1 (NM_001252653) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR230513 representing NM_001252653
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGACCGTATCCAGAGCAGCCTTGATCTTGGCCTGCTTGGCTCTTGCTTCTGCTGCCTCTGAGGGAG
 CCTTCAAGGCTTCAGACCAGCGAGAGATGACGCCAGAGCGCCTCTCCAGCACCTCCATGAAGTAGGTTA
 TGCAGCACCCCTTCCCCACCACAAACCCGGAGACTCCGAGTTGACCACTCTGTAACCTCTCTGCATGAC
 CCTCCCCTCTTTGAGGAACAAAGAGAAGTGCAGCCCCCTTCTCTCCAGAAGACATCCCTGTGTACGAGG
 AAGACTGGCCCACTTTCTAAACCTAATGTAGATAAAGCTGGTCTGCTGTCCCAAGAAGCCATCCC
 CCTGCAGAAAGAGCAGCCCCCTCCCAAGTCCATATTGAACAGAAGGAAAACCCGCTGCCAGCCTCAG
 GAGGAGATTGTCCAGAAAGAGGTGAAGCCACACACCTTGGCGGGCCAGCTCCCTCCAGAGCCCCGACTT
 GGAATCCAGCCCGTCACTGCCAGCAGGGACGGAGAGGTGTCTGGGGCCACCGGCTGGATGGCTTCCCTCC
 TGGACGGCCTTCTCCAGACAATCTGAAGCAGATCTGCCTTCTGAGCGTCAGCATGTGATCTACGGCCCC
 TGGAACTGCCGAGACTGGCTACTCTACCTTAGTCGCCAGGGAGAGACCTCAATGTGCTGGAGACCG
 GATACTCCCGCTGCTGTGCTGCGCGCAGCGACACAAACCCCTAGACTGTTTGAAGCTTGTGTGGGAGGA
 TGCAATGACCCAATTTTGTGAGGCCAATTCTCTGTCAAGACCCGCCCCACCTGTGCTGCAGACTGCGT
 GGGGAGGAGCGATTCTCTTGCTTCCAGAAGGAAGCTCCTCGCCAGACTACCTGCTCCGACCCTGCCCG
 TCCACCAGAAATGGCATGTCTCAGGGCCCCAGTTGCCCTTCCCCCGGGTTGCCACACCCGACAATGT
 CAAAAACATCTGTCTCCTGAGACGCTTCCGCGCGTGCCACGCAACCTCCAGCTACTGACGCCATCCAG
 AGGCAGCTGCAGGCTCTGACTCGGCTGGAGACGGAGTTCCAGCGCTGCTGCCGCCAGGGCCACAACCACA
 CTTGCACATGGAAGGCCTGGGAGGGTACCCTGGATGGATACTGCGAGCGGAGCTGGCTATAAAGACCCA
 CCCCACCTCGTGCTGCCACTACCCTCCTAGTCCCTGCCCGTGATGAGTGCTTCGCCACCTAGCTCCCTAT
 CCCAACTATGACCGGGATATCTTGACCCTTGACCTCAGCCGAGTACCCCCAACCTCATGGGCCAGCTCT
 GTGGAAGTGAAGGGTCTTAGCAAGCATAAACAGATTCCGGGGCTGATCCAGAATATGACCATCCGCTG
 CTGCGAGCTTCCATCCAGAACAGGCTGCTGCGGCGAAGAGGAGAACTGGCCTTCATCGAGAACCTC
 TGTGGTCCCCGGAGGAATTCGTGAAAGACCTGCCCTCTGCTGTGACCTGTCTCCTGAAGATAAGCAA
 TCAACTGCTTCAATACCAACTACCTGAGGAACGTGGCTTAGTGGCTGGAGACTGGGAATGCCACTGG
 CTTGGGGAGCAGGGCCCAACTCGGGGAACAGATGCCAACCCCGCCCTGGGTCCAAGGAAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR230513 representing NM_001252653
 Red=Cloning site Green=Tags(s)

MGTVSRAALILACLALASAASEGAFKASDQREMTPERLFQHLHEVGYAAPPSPQTRRLRVDHSVTSLHD
 PPLFEEQREVQPPSSPEDIPVYEEDWPTFLNPNVDKAGPAVPQEAIPLQKEQPPQVHIEQKENPPAQPQ
 EEIVQKEVKPHTLAGQLPPEPRTWNPARGCQGRRGVWGHRLDGFPPGRPSDNLKQICLPERQHVYIGP
 WNLQPTGYSHLSRQGETLNVLETGYSRCCRCRSDTNRLDCLKLVWEDAMTQFCEAEF SVKTRPHLCCRLR
 GEERFSCFQKEAPRPDYLLRPCPVHQNGMSSGPQLPFPPLPTPDNVKNICLLRRFRAVPRNL PATDAIQ
 RQLQAL TRLETEFQRCCRQGHNHTCTWKAWEGTLDGYCERELAIKTHPHSCCHYPPSPARDECF AHLAPY
 PNYDRDILTLDL SRVTPNLMGQLCGSGRVL SKHKQIPGLIQNMTIRCCELPYEQACCGEEELAF IENL
 CGPRRNSWKDPALCCDLSPEDKQINCFNTNYLRNVALVAGDTGNATGLGEQGPTRGTDANPAPGSKEE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001252653

ORF Size: 1674 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_001252653.2](#)

RefSeq Size: 1897 bp

RefSeq ORF: 1677 bp

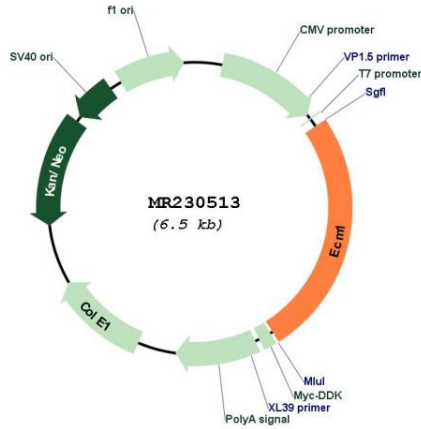
Locus ID: 13601

Cytogenetics: 3 40.91 cM

MW: 63.2 kDa

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]

Product images:



Circular map for MR230513