

Product datasheet for **MC220987**

Mecom (NM_007963) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mecom (NM_007963) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mecom
Synonyms:	D630039M04Rik; Evi-1; Evi1; Jbo; Mds; Mds1; Mds1-Evi1; Prdm3; Znfpr1b1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220987 representing NM_007963
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGAGTGAAGAGGACCCGCACGAACCCATGGCGCCTGACATCCACGAAGAACGGCAGCACCGCTGTG
 AGGACTGTGACCAGCTCTTTGAATCCAAGGCAGAGCTAGCCGATCACCAGAAGTTCCCATGCAGCACACC
 TCACTCGGCCTTCTCCATGGTGGAGGAGGACTTGAACAACAAACCTGGAGAGTGAGAGCGATCTCCGAGAG
 ATCCATGGCAACCAGGACTGTAAGGAATGTGACCGAGTTTTCCCGATCTGCAAAGCTTGGAGAAGCACAA
 TGCTGTACATACTGAGGAGAGGGAATACAAGTGTGATCAGTGTCCCAAGGCATTTAACTGGAAGTCCAA
 TTTAATTCGCCACCAGATGTCACATGACAGTGGAAAGCACTATGAGTGTGAAAACGTGCCAAGGTTTTTC
 ACGGACCTTAGCAACCTCAGCGACACATTCGATCTCAGCATGTTGGTCCCGGGCTCATGCTTGCCCCG
 AGTGTGGTAAAACATTTGCCACTTCGTGAGGCCTCAAACAGCACAAAGCACATCCACAGCAGTGTGAAGCC
 CTTTATCTCATTCTCAATCAATGTACCCATTTCTGATAGAGACTTGAGGTGTTACCTTTGAAAATG
 GAGCCCCAATCACCAAGTGAAGTAAAGAACTGCAGAAGGGAAGCTCTGAGTCCCCTTTTGACCTACCA
 CTAAGAGAAAGGATGAGAAGCCCTTGACTTCAGGCCCTCGAAGCCTTCAGGAACACCAGCCACAAGCCA
 AGACCAGCCCCTGGATCTAAGTATGGGCAGTAGGGGTAGAGCCAGTGGGACAAAGTTGACTGAGCCTCGA
 AAAAACCATGTGTTTGGGAAAAGAAAGGAAGCAACATGGATACTAGGCCATCTTCAGATGGCTCCTTGC
 AGCATGCCAGACCCTCCCTTCTTCATGGACCCATTTATAGAGTAGAGAAAAGAAAGTAACTGACCC
 GCTTGAAGCTTTGAAAGAAAAACTTGGAGACCTTCCAGGATTCTTGTTCACCCGCAATGTGACGA
 ATTGAGAACATGGCAGAAAAGCTGGAAAGCTTCAGCGCCCTCAAACCTGAGGCCAGCGAGCTCCTGCAGT
 CCGTGCCCTCCATGTTCCAGTTCGAGCTCCTCCCAACCCCTGCCAGAGAACCTGCTGCCGAAGGGGAA
 AGAGCGCTACACCTGCAGGTACTGTGGCAAGATATTTCCAAGGTCTGCGAACCTAACACGGCACTTGAGA
 ACCCACACAGGAGCAACCTTACAGATGCAAATACTGTGATAGATCATTGAGCATTTCTTCCAACCTGC
 AGCGACATGTGCGCAACATCCACAACAAGGAGAAGCCATTTAAGTGTCAATTTATGTGACAGATGTTTTGG
 TCAACAAACCAATCTTGACAGACACCTGAAGAAACATGAGAACGGCAACATGTCTGGGACGGCAACGTCC
 TCGCCTCACTCAGAGCTAGAAAGCGCAGGCGCAATCCTGGATGACAAAGAAGATGCGTACTTTACAGAGA
 TCCGCAATTTTCATCGGGAACAGCAACCATGGTAGCCAGTCTCCTCGGAACATGGAAGAGAGGATGAATGG
 CAGTCACTTCAAGGATAAAAAGGCTTTGGCAACCAGCCAAAATTCAGATTTATTGGATGATGAAGAAGTA
 GAAGATGAGGTGTTGTTGGATGAGGAGGATGAAGACAATGATATTCCTGGAAAGCCAGAAAGGAGCTAG
 GGGTGACTCGTTTAGACGAGGAGATCCCGGAGGATGACTACGAAGAAGCTGGTGCCTGGAGATGAGCTG
 TAAGGCGTCCCGGTGAGGTATAAAGAGGAAGACTATAAATCTGGCCTTTCTGCTCTAGATCACATAAGG
 CACTTCACAGATAGCCTCAAAATGAGGGAAATGGAAGAGAATCAATACACTGACGCTGAGCTGCTCCTCCA
 TTAGTTCTTCTCATGTGCCAGAGGAGCTTAAACAGACGTTACACAGAAAGTCCAAATCACAGGCATATGC
 TATGATGTTGCTACTGTCTGACAAGGATTCCTCCATCCCACCTCCCACAGTTCCTCCAACGTGTGGCAC
 AGCATGGCAAGGGCTGCAGCAGAATCCAGTGCCATCCAGTCCATAAGCCATGTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1528_c06.zip

Restriction Sites: SgfI-MluI

ACCN: NM_007963

Insert Size: 2157 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:	<ol style="list-style-type: none">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:	<u>NM_007963.2</u> , <u>NP_031989.2</u>
RefSeq Size:	4429 bp
RefSeq ORF:	2157 bp
Locus ID:	14013
Cytogenetics:	3 12.66 cM
Gene Summary:	Isoform 1: Functions as a transcriptional regulator binding to DNA sequences in the promoter region of target genes and regulating positively or negatively their expression. Oncogene which plays a role in development, cell proliferation and differentiation. May also play a role in apoptosis through regulation of the JNK and TGF-beta signaling. Involved in hematopoiesis. [UniProtKB/Swiss-Prot Function]