

Product datasheet for **MR222560**

Mecom (NM_007963) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mecom (NM_007963) Mouse Tagged ORF Clone
Tag:	Myc-DDK
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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ORF Nucleotide
Sequence:

>MR222560 representing NM_007963
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGAGTGAAGAGGACCCGCACGAACCCATGGCGCCTGACATCCACGAAGAACGGCAGCACCGCTGTG
AGGACTGTGACCAGCTCTTTGAATCCAAGGCAGAGCTAGCCGATCACCAGAAGTTCCCATGCAGCACACC
TCACTCGGCCTTCTCCATGGTGGAGGAGGACTTGAACAAAAACCTGGAGAGTGAGAGCGATCTCCGAGAG
ATCCATGGCAACCAGGACTGTAAGGAATGTGACCGAGTTTTCCCGATCTGCAAAGCTTGGAGAAGCACAA
TGCTGTACATACTGAGGAGAGGGAATACAAGTGTGATCAGTGTCCCAAGGCATTTAACTGGAAAGTCCAA
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ACGGACCTTAGCAACCTCAGCGACACATTCGATCTCAGCATGTTGGTCCCGGGCTCATGCTTGCCCCG
AGTGTGGTAAAACATTTGCCACTTCGTGAGCCCTCAAACAGCACAAAGCACATCCACAGCAGTGTGAAGCC
CTTTATCTCATTCTCAATCAATGTACCCATTTCTGATAGAGACTTGAGGTGTTACCTTTGAAAATG
GAGCCCCAATCACCAAGTGAAGTAAAGAACTGCAGAAGGGAAGCTCTGAGTCCCCTTTTGACCTACCA
CTAAGAGAAAGGATGAGAAGCCCTTGACTTCAGGCCCTCGAAGCCTTCAGGAACACCAGCCACAAGCCA
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AGCATGCCAGACCCTCCCTTCTTCATGGACCCATTTATAGAGTAGAGAAAAGAAAGTAACTGACCC
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ATTGAGAACATGGCAGAAAAGCTGGAAAGCTTCAGCGCCCTCAAACCTGAGGCCAGCGAGCTCCTGCAGT
CCGTGCCCTCCATGTTCCAGTTCGAGCTCCTCCCAACACCCTGCCAGAGAACCTGCTCGGAAGGGGAA
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ACCCACACAGGAGAGCAACCTTACAGATGCAAATACTGTGATAGATCATTGAGCATTTTCTCCAACCTGC
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CAGTCACTTCAAGGATAAAAAGGCTTTGGCAACCAGCCAAAATTCAGATTTATTGGATGATGAAGAAGTA
GAAGATGAGGTGTTGTTGGATGAGGAGGATGAAGACAATGATATTCCTGGAAAGCCAGAAAGGAGCTAG
GGGTGACTCGTTTAGACGAGGAGATCCCGGAGGATGACTACGAAGAAGCTGGTGCCTGGAGATGAGCTG
TAAGGCGTCCCGGTGAGGTATAAAGAGGAAGACTATAAATCTGGCCTTTCTGCTCTAGATCACATAAGG
CACTTCACAGATAGCCTCAAAATGAGGGAAATGGAAGAGAATCAATACACTGACGCTGAGCTGCTCTCCA
TTAGTTCTTCTCATGTGCCAGAGGAGCTTAAACAGACGTTACACAGAAAGTCCAAATCACAGGCATATGC
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AGCATGGCAAGGGCTGCAGCAGAATCCAGTGCCATCCAGTCCATAAGCCATGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR222560 representing NM_007963
Red=Cloning site Green=Tags(s)

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MKSEEDPHEPMAPDIHEERQHRCEDCDQLFESKAELADHQKPCSTPHSAFMSVEEDLQQNLESESDLRE
IHGNQDCKECDRVFPDLQSLKHMLSHTEEREYKCDQCPKAFNWKSNLIRHQMSHDSGKHVECENCAKVF
TDPNSLQRHIRSQHVGARAHACPECGKTFATSSGLKQHKHIHSSVKPFI SF SQSMYFPDRDLRSLPLKM
EPQSPSEVKKLQKGSSESPFDL TTKRKDEKPLTSGPSKPSGTPATSQDQPLDLSMGSRGRASGTKLTEPR
KNHVFGKKGSNMDTRPSSDGLQHARPTPF FMDPIYRVEKRKLTDPLEALKEKYL RPSPGFLFHPQMSA
IENMAEKLESFSALKPEASELLQSVPMFSFRAPPNTLPENLLRKGKERYTCRYCGKIFPRSANLTRHLR
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SPHSELESAGAILDDKEDAYFTEIRNFIGNSNHGSQSPRNMEERMNGSHFKDKKALATSQNSDLLDDEEV
EDEVLLDEEDEDNDIPGKPRKELGVTRLDEEIPEDDYEEAGALEMSCKASPVRYKEEDYKSGLSALDHIR
HFTDSLKMREMEENQYDAELSSISSHVPEELKQTLHRKSKSQAYAMMLSLSDKDSLHPTSHSSSNVWH
SMARAAAESSAIQSISHV
    
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_007963

ORF Size: 2154 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_007963.2](#), [NP_031989.2](#)

RefSeq Size: 4429 bp

RefSeq ORF: 2157 bp

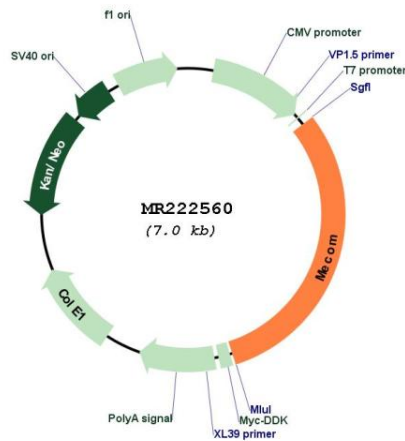
Locus ID: 14013

Cytogenetics: 3 12.66 cM

MW: 82.2 kDa

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]

Product images:



Circular map for MR222560