

## Product datasheet for **RR212298**

### Mecom (NM\_001106423) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mecom (NM_001106423) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mecom
Synonyms:	Evi1; Mds1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR212298 representing NM\_001106423  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACAGTGGAAAGCACTATGAGTGTGAAAACGTGTCCAAGCAGGTTTTACGGACCCTAGCAACCTTCA  
 GCGACACATTCGATCTCAGCATGTTGGTGCCCGGCTCATGCTTGCCCGAGTGTGGTAAAAACATTTGCC  
 ACTTCGTCAGGCCTCAAACAACAAGCAGTGAGGTCTGCCATAAATCCTATACTCAGTTTTCAAACCTT  
 TGTCTGATAAGCGCATGCATGCTGATTGCAGAACCCAAATCAAGTGCAAAGACTGTGGACAAATGTTCA  
 GCACTACGCTTTCCTTAAATAAACACAGGAGGTTTTGTGAGGGCAAGAACCATTTTGCGGCAGGTGGATT  
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 GCCAACCCGGCCTGGTTGACTATTTTGGCACCAATAGGCATCCTGCTGGTCTTACCTTTCCAACAGCTC  
 CGGGATTTTCTTGAGCTTCTGGTCTGTTTCTTTCGGGCTGTACCACAGGCCTCTTTGATACCCGC  
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 CCTCAGATACTGCCAGCCACCCAGGATATTTTGAAGGCACTATCTAAACCCACCTGTAGGGGACAATA  
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 GAGTAGTGACCTTGATGATGTCAGTACGCCAAGTGGCAGTGATCTGGAAACAACCTCGGGCTCTGATCTG  
 GAAAGTGACCTTGAAAGTGATAAAGAGAAAATGTAAAGAAAATGGTAAAATGTTCAAAGACAAAGTAAAGC  
 CTCTGCAGAACTGGCTTCAATAAATAAAGAAAAGTACAGCAATCATTCCGTTTTCTCAGCATCTGT  
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 CTCCTAACACCCCTGCCAGAGAACCTGCTGCGGAAAGGAAAAGGAACGCTATACCTGCAGGACTGTGGTAA  
 GATTTTCCAAGGTCTGCAAACCTAACACGGCATTGAGAACCACACAGGAGAGCAACCTTACAGATGC  
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 GAAGACAATGATTTCTGGAAAACCCAGAAAGGAGCTGGGGTAACTAATTTAGATGAGGAAATCCCTG  
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 AGCCGTTACACAGAAAGTCCAAATCACAGGCATATGCTATGATGTTGCTACTGTCTGACAAGGATGCCCT  
 CCATCCCACCTCCACGGTCTCCAACGTGTGGCACAGCATGGCAAGAGCTGCAGCGGAATCCAGTGCC  
 ATCCAGTCCATAAGCCATGTA

**ACGCGT**ACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >RR212298 representing NM\_001106423  
 Red=Cloning site Green=Tags(s)

MTVESTMSVKTVPSRFSRTLATFSDTFDL SMLVPGLMLARSVVKHLPLRQASNNTSSEVCHKSYTQFSNL  
 CRHKRMHADCR TQIKCKDCGQMFSTTSSLNKHRRFCEGKNHFAAGGFFGQGISLPGTPAMDKTSMVNMGH  
 ANPGLVDYFGTNRHPAGLTFPTAPGFSLSFPGLFSPGLYHRPPLIPASSPVKGLSSTEQSNKCQSPLLTH  
 PQILPATQDILKALSKHPPVGDNKPVELLPERSSEERPLEKISDQSESSDLDDVSTPSGSDLETTSGSDL  
 ESDLES DKEKCKENGKMFKDKV SPLQNLASINNKKEYSNHVSF SASVEEQTAVSGAVNDSIKAIASIAEK  
 YFGSTGLVGLQDKKVGALPYPSMFPLPFFPAFSQSMYPFPDRDLRSLPLKMEPQSPSEVKKLQKGSSESP  
 FDLTTKRKDEKPLTSGSSKLPATPATSQDQPLDLSMGSRSRASGTKLTEPRKNHVFGEKKGSNMETRPSS  
 DGSLQHARPTPFMDPIYRVEKRKLTDPLEALKEKYL RPSGFLFHPQFPLPDQRTWMSAIENMAEKLES  
 FSGLKPEASELLQSVPSMFSFRAPPNTLPENLLRKGKERYTCRYCGKIFPRSANL TRHLRTHTGEQPYRC  
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 AILDDKEDAYFTEIRNFIGNSNHGSQSPRMEERMNGSHFKDEKALATSQNSDLLDDEEVEDEVLLDEED  
 EDNDIPGKPRKELGVTNLDDEEIPEDDYEEAGALEMSCKVSPVRYKEEDYKSGLSALDHIRHFTDSLKMRE  
 MEENQYDAEL SFGSSHVPEELKQPLHRKSKSQAYAMMLSLSDKDALHPTSHGSSNVWHSMARAAAESSA  
 IQSISHV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

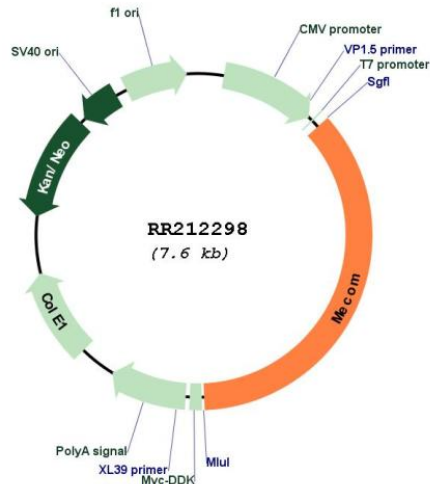
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



## Plasmid Map:



ACCN: NM\_001106423

ORF Size: 2751 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\\_001106423.1](#), [NP\\_001099893.1](#)

RefSeq Size: 5694 bp

RefSeq ORF: 2754 bp

Locus ID: 294924

Cytogenetics: 2q24

MW: 102.1 kDa