

Product datasheet for **RR208807**

Mef2d (NM_030860) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mef2d (NM_030860) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mef2d
Synonyms:	MGC93400
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RR208807 representing NM_030860
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGGAGGAAAAAGATTTCAGATCCAGCGAATCACTGATGAACGGAACCGCCAGGTGACATTCACCAAGC
 GGAAGTTTGGGCTGATGAAGAAGGCCTACGAACAGTGTGCTGTGCGACTGTGAGATCGCGCTCATCAT
 CTTCAACCACTCCAACAAGCTGTTTCAGTACGCCAGCACCGACATGGACAAGGTGCTGCTCAAGTACACG
 GAGTACAACGAGCCGCATGAGAGCCGACCAATGCTGACATCATTGAGACCCTGAGGAAGAAGGGTTTCA
 ACGGCTGTGACAGCCCAGAGCCGGATGGGGAGGACTCACTGGAGCAGAGCCCCCTGCTGGAGGACAAGTA
 CCGGGCGGCCAGTGAGGAACTGGATGGGCTCTTCAGGCGCTATGGGTATCTGTTCGGCCCCCAATTTT
 GCCATGCCTGTACAGTGCCCGTCCAATCAGAGCTCCATGCAGTTCAGCAATCCAAGTAGCTCTCTGG
 TCACTCCTTCCCTGGTGACATCATCCCTTACGGACCCACGGCTCTGTCCCCCAGCAGCCAGCACTACA
 GAGAAACAGTGTTCCTCCGGGCTGCCCCAGCGGCTGTAGTGCAGGAGCCATGCTGGGTGGAGACCTC
 AACAGTGTAAATGGAGCCTGCCCCAGCCCCGTTGGGAATGGCTACGTGAGTCCCGGGCTTCCCCCGGCC
 TCCTCCCTGTGGCCAATGGCAACGGCCTAAACAAGGTCATCCCTGCCAAGTCTCCACCCCCACCCACCCA
 CAACCCAGCTTGGAGCCCCAGCCGCAAGCCTGATCTGCGGGTTCATCACTTCCAGGGAGGCAAAAGGG
 TTAATGCATCATTTGAACAATGCCAGCGCCTTGGGGTCTCCAGTCTACCCACTCGCTCACCACCCAG
 TGGTTTCCGTGGCAACACCAAGTTTACTCAGCCAGGGCCTCCCTTCTCCTCCATGCCCACTGCCTACAA
 CACAGATTACCAGTGCACAGTGCAGAGCTTTCCTCCTTACCAGCCTTCACTGCACCTGCAGGGCTGGCA
 CTAGGCAACGTACCCGCTGGCAGCAGCCCCAGCAGCCCCAGCAGCCACAACCACCACAACCGCCACAGT
 CACAGCCACAGCCACACAGCCACAGCCACAGCCACCTCAGCAACAGCCCCACTTGGTCCCTGTTTC
 TCTCAGCAACCTCATCCCTGGCAGCCCTTGGCCCATGTGGGTGCTGCTCTCACTGTCACTACCCACCCC
 CACATCAGCATCAAGTCAGAACCAGTGTCCCAAGTCTGAACGAGCCCTGCACCTCCTCCACCAGCTG
 GTTCCAGCTGCCCGCCTGAGCTGGCGAAGGTCTCAGCAGCCAGCTGGAGGATCCTATGAGACCGG
 GGACCGGGATGATGGACGGGGGACTTTGGGCCACACTAGGCCTGTGCGCCAGCCCCAGAGCTGAG
 GCTGAGGGCTCAGCTGTGAAGAGGATGCGGCTGGATACTTGACATTAAG

ACCGGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208807 representing NM_030860
 Red=Cloning site Green=Tags(s)

MGRKKIQIQIRITDERNRQVFTTKRKFGLMFKAYELSVLCDCEIALIIFNHSNKL FQYASTDMDKVLKKT
 EYNPHEPESRTNADIIETLRKKGFNGCDSPEPDGEDSLEQSPLLEDKYRRASEELDGLFRRYGSVSPAPNF
 AMPVTVVPSNQSSMQFSNPSSSLVTPSLVTSSLTDPRLSPQQPALQRNSVSPGLPQRPASAGAMLGGDL
 NSANGACPSVPGNGYVSARASPLLPVANGNGLNKVIPAKSPPPTHTNTQLGAPSRKPDLRVITSQGGK
 LMHHLNNAQRLGVSQSTHSLTTPVVSVAATPSLLSQGLPFSMPPTAYNTDYQLPSAELSSLPFAVSSPAGLA
 LGNVTAWQQP
 HISSIKSEPVSPSRERSPAPPPAVFPAARPEPGEGLSSPAGGSYETGDRDDGRGDFGPTLGLLRPAPEPE
 AEGSAVKRMRLDTWTLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

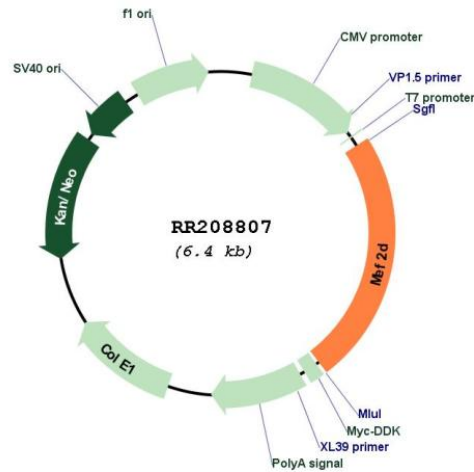
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_030860

ORF Size: 1521 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_030860.2](#), [NP_110487.2](#)

RefSeq Size: 2165 bp

RefSeq ORF: 1524 bp

Locus ID: 81518

UniProt ID: [O89038](#)

Cytogenetics: 2q34

MW: 54.2 kDa

Gene Summary: DNA-binding protein; may play a role in regulation of muscle-specific gene expression and differentiation [RGD, Feb 2006]