

Product datasheet for **RN208807**

Mef2d (NM_030860) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN208807 representing NM_030860
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGGGAGAAAAAGATTAGATCCAGCGAATCACTGATGAACGGAACCGCCAGGTGACATTCACCAAGC
GGAAGTTTGGGCTGATGAAGAAGGCCTACGAAGTGAAGTGTGCTGTGCGACTGTGAGATCGCGCTCATCAT
CTTCAACCACTCCAACAAGCTGTTTCAGTACGCCAGCACCGACATGGACAAGGTGCTGCTCAAGTACACG
GAGTACAACGAGCCGCATGAGAGCCGACCAATGCTGACATCATTGAGACCCTGAGGAAGAAGGGTTTCA
ACGGCTGTGACAGCCCAGAGCCGGATGGGGAGGACTCACTGGAGCAGAGCCCCCTGCTGGAGGACAAGTA
CCGGCGGGCCAGTGAGGAACTGGATGGGCTCTTCAGGCGCTATGGGTATCTGTTCCGGCCCCCAATTTT
GCCATGCCTGTACAGTGCCCGTGTCCAATCAGAGCTCCATGCAGTTCAGCAATCCAAGTAGCTCTCTGG
TCACTCCTTCCCTGGTGACATCATCCCTTACGGACCCACGGCTCCTGTCCCCCAGCAGCCAGCACTACA
GAGAAACAGTGTCTCCGGGCCTGCCCCAGCGCCTGCTAGTGCAGGAGCCATGCTGGGTGGAGACCTC
AACAGTGTAAATGGAGCCTGCCCCAGCCCCGTTGGGAATGGCTACGTGAGTCCCGGGCTTCCCCCGGCC
TCCTCCCTGTGGCCAATGGCAACGGCCTAAACAAGGTATCCCTGCCAAGTCTCCACCCCCACCCACCCA
CAACCCAGCTTGGAGCCCCAGCCGCAAGCCTGATCTGCGGGTATCACTTCCCAGGGAGGCAAGGG
TTAATGCATATTTGAACAATGCCAGCGCCTTGGGGTCTCCAGTCTACCCACTCGCTCACCACCCAG
TGGTTTCCGTGGCAACACCAAGTTTACTCAGCCAGGGCCTCCCTTCTCCTCCATGCCACTGCCTACAA
CACAGATTACCAGCTGCCAGTGCAGAGCTTCTCCTTACCAGCCTTCACTGCAGGGCTGGCA
CTAGGCAACGTCACCGCCTGGCAGCAGCCCAGCAGCCCAGCAGCCACAACCACCACAACCGCCACAGT
CACAGCCACAGCCACCACAGCCACAGCCACAGCCACCTCAGCAACAGCCCCACTTGGTCCCTGTTTC
TCTCAGCAACCTCATCCCTGGCAGCCCCTTGCCCATGTGGGTGCTGCTCACTGTCACTACCCACCCC
CACATCAGCATCAAGTCAGAACCAGTGTCCCAAGTCTGGAACGAGCCCTGCACCTCCTCCACCAGCTG
TGTTCCAGCTGCCCGCCTGAGCTGGCGAAGGTCTCAGCAGCCAGCTGGAGGATCCTATGAGACCGG
GGACCGGATGATGGACGGGGGACTTTGGGCCACACTAGGCCTGCTGCGCCAGCCCCAGAGCCTGAG
GCTGAGGGCTCAGCTGTGAAGAGGATGCGGCTGGATACTGGACATTAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_030860

Insert Size: 1524 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:

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

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