

Product datasheet for **MC204286**

Mef2d (NM_133665) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mef2d (NM_133665) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mef2d
Synonyms:	C80750
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC011070
 CCGAAAGGAGGAAGGAAGCAAAATATCAACAACCGTCGAGGCGGCTTGGGCGCTCGGCTGCGTGCCTGCC
 GCCCGCCGCCGCCGCCCGCCCGCGCGCACCAGGGGGTCCCGGCCCTGTGGCGCCGCCAGGCCCGGTGGACG
 CGGCGCCTTCGCTGTTTCCCGTCGGAGCTGCGGCTTCGCGTAACCGAGGATTCGGCGGACCGGGCCGAGG
 CTCGGGGCGCCGTGACACCCCGTCCCCCACGGGCTGGAGGCTGTGCATAGGTGTTCTGCAGACCATGA
 ACTGACTACTAGTCCCCAGACATTATGAGCACAGTGTGAGGCTCCTGATCACCACCCAGCAGCCCTTC
 CTCTGTGGCACTAAGGACCCCGGAGAAGATGGGGAGGAAAAAGATTAGATCCAGCGAATCACTGATGA
 ACGGAACCGCCAGGTGACCTTCACCAAGCGGAAGTTTGGACTGATGAAGAAGGCCTACGAGCTGAGTGTG
 CTGTGCGACTGCGAGATCGCGCTCATCATCTTCAACCACTCCAACAAGCTGTTCCAGTATGCCAGCACCG
 ACATGGACAAGGTGCTGCTCAAGTACACCGAGTACAACGAGCCACACGAGAGCCGACCAATGCTGACAT
 CATCGAGACCCTGAGGAAGAAGGGTTTCAACGGCTGTGACAGCCAGAGCCGGATGGGGAGGACTCACTG
 GAGCAGAGCCCCCTGCTGGAGGACAAGTACCGCGGGCCAGTGGAGGCTGGATGGGCTCTTCAGGCGCT
 ATGGGTGATCTGTTCCGGCCCCAACTTGGCCATGCCTGTACAGTGCCCGTGTCCAATCAGAGCTCCAT
 GCAGTTACAGCAATCCAAGTAGCTCTCTGGTCACTCCTTCCCTGGTACATCATCCCTACGGACCCACGG
 CTCTGTCCCCCAGCAGCCAGCACTACAGAGAAACAGTGTTCCTCCAGGCTTGCCCCAGCGGCCTGCTA
 GTGCAGGAGCCATGCTGGGTGGAGACCTAACAGTGCTAATGGAGCCTGCCCCAGCCCGTTGGGAATGG
 CTATGTGACTGAGTCCCGAGCTTCCCTGGCCTCCTCCCTGTGGCCAATGGCAACAGCCATAAACAAGTCATC
 CCTGCCAAGTCTCCGCCCCACCCACCCACAACACCCAGCTTGGAGCCCCAGCCGCAAGCCTGATCTGC
 GGGTCACTACTTCCCAGGGAGGCAAGGGTTAATGCATCATTTGAACAATGCCAGCGCCTTGGGGTCTC
 CCAGTCTACCCACTCGCTCACCACCCAGTGGTTTCCGTGGCAACACCAAGTTTACTCAGCCAGGGCCTC
 CCCTTCTCCTCCATGCCACTGCCTACAACACAGATTACCAGTGCCAGTGCCAGTGCAGAGCTATCCTCCTTAC
 CAGCCTTCAAGTTCACCTGCAGGGCTGGCACTAGGCAATGTACCCGCTGGCAGCAGCCCCAGCCGCCCA
 GCAGCCACAACCGCCACAACCGCCACAGTACAGCCACAGCCACACAGCCACAGCCACAGCCAGCCAGCCACCT
 CAGCAACAGCCCACTTGGTCCCGTTTTCTCTCAGCAACCTCATCCTGGCAGCCCTTGCCTCAGTGG
 GTGCTGCTCTCAGTCACTACCCACCCACATCAGCATCAAGTCAGAACCAGTGTCCCAAGTGTGA
 ACGCAGCCCTGCACCTCCTCCACAGCTGTGTTCCAGCTGCCCGCCTGAGCCTGGCGAAGGTCTCAGC
 AGCCAGCTGGAGGATCCTATGAGACCGGGGACCGGGATGATGGACGGGGGACTTTGGGCCACACTAG
 GCCTGCTGCGCCAGCCAGAGCCTGAGGCTGAGGGCTCAGCTGTGAAGAGGATGCGGCTGGATACTTG
 GACATTAAGTGTGTTCCCACTCCCTCCTTTCAGCCTCCCTGATGAAGAGTTGACAATCTCACCGCC
 ACCCCCTCCTTATCCTGGGCTCC

Restriction Sites: RsrII-NotI

ACCN: NM_133665

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: [BC011070](#), [AAH11070](#)

RefSeq Size: 1983 bp

RefSeq ORF: 1524 bp

Locus ID: 17261

Cytogenetics: 3 38.78 cM

Gene Summary: Transcriptional activator which binds specifically to the MEF2 element, 5'-YTA[AT](4)TAR-3', found in numerous muscle-specific, growth factor- and stress-induced genes. Mediates cellular functions not only in skeletal and cardiac muscle development, but also in neuronal differentiation and survival. Plays diverse roles in the control of cell growth, survival and apoptosis via p38 MAPK signaling in muscle-specific and/or growth factor-related transcription. Plays a critical role in the regulation of neuronal apoptosis.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1.