

Product datasheet for **MC200895**

Mdfi (BC006018) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mdfi (BC006018) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mdfi
Synonyms: I-mf; I-mfa
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC006018
GGAAGGGGCGATCGGTCCCAGGCCGATGTCCCAGGTGAGCGGTGAGTCCCTTCTCGCTGCGACGCGCCT
CATGGAGTCCCCAGCGCTGCCCTGGACCCAGCCAGACCATGTCCCTCCTCCCTGGGCTGGAGGTAGCAA
GATCCACTCACCCGTAGAGGCATCTTCTGAAGAGGGCTTCCCGAGGAGCGGGACCCCTCCATGCCCA
TGACAGTGGTCTCCGGGCTCAGCAGGCTCTGAACAGCATTGACCTCGATGTCCCCACAGAAGCTGTGACG
TGCCAGCCTCAAGGGAACCCCAAGGCTGCACCCACTACTGCCAAATGGCTCCAGCCACGACCACCTCT
CAGAACCAGGCGAGTGCAGGGCATGCGGGGAACGGTGTCTGGGCGGGTCCAAGGCCACCGGAAGTTGCA
GACGCATCCATCTCTGGCAGCCAGGCTGGAAGGAAAAGCAGAGGCAGCGCCCGGTGAGCCTCACAGGTC
CCTCTCCAGGCACAGGAAGATTGCTGCGTCCACTGCATACTGTCTGTCTATTCTGTGAGTTCTGACGC
TCTGTAACATCCTCCTGGACTGCGCCACCTGTGGCTCCTGCAGCTCTGAGGACTCCTGCCTCTGCTGCTG
CTGCTGTGGGTCCGGCGAGTGCAGGACTGTGACCTGCCCTGCGACCTGGACTGCGGCATCGTGGATGCC
TGCTGCGAGTCCGAGACTGCTTGGAGATATGCATGGAGTGTGTGGACTCTGTTTCTCCTCCTGATGCC
ATGGGGTGGCCCCAGAGCTACCGCACAAAGCTTGACGCCTCCCCTGACCCCGGGCCGCCCTCAGAATC
CCAACCCAGATGTGAGAAAGTGGGACGCTCAGAGGGGCCACCTCAGCCACCGAACAGGTCTGCTTTCAGA
CGCGTAGCCTGGTCCCCTCCACGGGTGACCAGGAACACGGCATCTAGAGCCTGGTAGGACAGAACCAGTT
AGCTGCCATAACTCAGAACACTGTGAACGGTAGGGGAGGGGCCAGGAGTGGGAGGGGCCAGGAATGGGAG
GCCCGTGCCTTCTCTACCTCTGCTCCAGGTGCCTGCCTCCCTCAGCGCTTACCCAGCTTTGAGGACAG
AAAATGTGAAAAGGCCTCTGCCCCGCCACTGCCAGGCCCCACTCTCCTCCCAGCTCATTCTCTGGGC
TCTTGTGGGGGGCCTAACCCATAGAGTGACCCAAGAGGATGGGGTTTCGGGTGGGGTGGGTGGGAGGGG
CGCAATATGGAAGAAAGACTGGAAGGGGTAGAGGGAGGGTCTGTTGATTACTGTAATAAAGACAT
CCGTTCAA
AAA

Restriction Sites: RsrII-NotI
ACCN: BC006018
Insert Size: 741 bp



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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:	<ol style="list-style-type: none">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:	<u>BC006018</u> , <u>AAH06018</u>
RefSeq Size:	1462 bp
RefSeq ORF:	741 bp
Locus ID:	17240
Cytogenetics:	17 23.99 cM
Gene Summary:	Inhibits the transactivation activity of the Myod family of myogenic factors and represses myogenesis. Acts by associating with Myod family members and retaining them in the cytoplasm by masking their nuclear localization signals. Can also interfere with the DNA-binding activity of Myod family members. Plays an important role in trophoblast and chondrogenic differentiation. Regulates the transcriptional activity of TCF7L1/TCF3 by interacting directly with TCF7L1/TCF3 and preventing it from binding DNA. Binds to the axin complex, resulting in an increase in the level of free beta-catenin. Affects axin regulation of the WNT and JNK signaling pathways.[UniProtKB/Swiss-Prot Function]