

Product datasheet for **MC209001**

Myf5 (NM_008656) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myf5 (NM_008656) Mouse Untagged Clone
Tag: Tag Free
Symbol: Myf5
Synonyms: B130010J22Rik; bHLHc2; Myf-5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209001 representing NM_008656
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGACATGACGGACGGCTGCCAGTTCTCCCTTCTGAGTACTTCTATGAAGGCTCCTGTATCCCCTCAC
CAGAGGATGAGTTTGGGACCAGTTTGAGCCAAGAGTAGCAGCCTTCGGAGCACACAAAGCTGAGCTGCA
GGGCTCAGACGATGAGGAGCACGTGCGTGCACCTACCGGCCACCACCAGGCTGGCCACTGCCTCATGTGG
GCCTGCAAAGCTTGCAAGAGGAAGTCCACTACCATGGATCGGCGCAAGGCCGCCACCATGCGCGAGCGTA
GACGCCTGAAGAAGGTCAACCAAGCTTTTCGAGACGCTCAAGAGGTGCACCACCACCAACCCTAACAGAG
ACTCCCCAAGGTGGAGATCCTCAGGAATGCCATCCGCTACATTGAGAGCCTCCAGGAGCTGCTGAGGGAA
CAGGTGGAGAACTATTACAGCCTGCCGGACAGAGCTGCTCTGAGCCCACCAGCCCCACCTCCAAGTCTG
CTGACGGCATGCCTGAATGTAACAGCCCTGTCTGGTCCCGAAAGAAGCAGCAGTTTGACAGCATCTACTG
TCCTGATGTATCAAATGCATGTGCTGCAGATAAAAGCTCCGTGTCCAGCTTGATTGCTTGCCAGCATT
GTGGATCGGATCACGCTACAGAGCCATCCGAGCTGGCTCTTCAGGACACAGCTTCCTCTCTCCAGCGA
CCAGCGCCAACCTCACAGCCTGTACCCCGGGACCCTCCAGCTCCAGACTTATCTATCACGTTATTA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_008656
Insert Size: 768 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:	NM_008656.5 , NP_032682.1
RefSeq Size:	2083 bp
RefSeq ORF:	768 bp
Locus ID:	17877
UniProt ID:	P24699
Cytogenetics:	10 55.95 cM
Gene Summary:	Acts as a transcriptional activator that promotes transcription of muscle-specific target genes and plays a role in muscle differentiation. Together with MYOG and MYOD1, co-occupies muscle-specific gene promoter core region during myogenesis. Induces fibroblasts to differentiate into myoblasts. Probable sequence specific DNA-binding protein. [UniProtKB/Swiss-Prot Function]