

## Product datasheet for MC224894

### Myo5c (NM\_001081322) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Myo5c (NM\_001081322) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Myo5c  
**Synonyms:** 9130003O20Rik; BB085560; C330029124  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224894 representing NM\_001081322  
**Red=Cloning site Blue=ORF Orange=Stop codon**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGGTGGCCGAGCTCTACGCGCAGTACAACAGGGTTGGATCCCAGATCCTGAGGAAGTTTGAAGT  
CGGCTGAAATCGCAAAGGACTACAGAGCGGGTACCGAGTCTCAGACTTCTGCTGGAGGATGGCATGGA  
GCTGGAATACCCTGTTGACCCAGGGTCACTGCCTCCGCTTCGGAACCCTGACATCCTGGTGGGTGAGAAT  
GACCTCACAGCCCTCAGCTACCTCCATGAGCCCGCAGTGCATGAATCTCAGAATCCGCTTCGCGAGGT  
CCAAACTCATCTACACCTACAGTGGAAATCATTTTGGTGGCCATGAATCCTTACAAACAGCTACCAATATA  
CGGGGATGCCATCATCCACGCCTACAGCGGACAGAACAATGGGTGACATGGACCCACACATCTTTGCGGTT  
GCAGAGGAGGCCCTACAAGCAGATGGCCAGGAACAATAGAAATCAGTCCATAATCGTGAGTGGAGAATCAG  
GAGCCGGGAAGACTGTCTGACGCTATGCCATGAGGTACTTCCGCTACCGTACGCAAAATCGAGCAGCAA  
TGCCCATGTGGAGGACAAAAGTCTTGGCATCCAATCCCATAACTGAGGCTGTTGGAATGCCAAGACCACC  
CGCAATGACAACAGCAGTCCGTTTGGGAAATACACAGAGATCAGCTTTGATGAGAGAAACAGATCATTG  
GCGCCAATATGAGAACTTACCTCCTGGAGAAGTCCAGAGTTGTCTTCAGTCAGAAAAATGAACGGAATTA  
CCACATCTTACCAGCTTTGTGCATCCGCACAGCAGTCAAGAATTTAAACACCTTAAACTGGGGAGTGCG  
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GCAACAGAAAAATTGTGACCTCCTCGAAACTGTGGTAAAGCCCATGACCAGGCCTCAGGCCATCAACGC  
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CTTTAACTTGAGCAAGAGGAATACATGAAAGAGGACATCCCCTGGACTCTGATAGACTTCTATGACAAC  
CAGCCTGTTATTGACCTGATCGAGGCCAAAATGGGCATTTGGAGTTGCTGGATGAAGAATGCTTGTTCG



CTCATGGCACCGATGAAAAGTGGCTTCAAAGCTGTATAACAATTTGTCAACAAGAACTCGTTATTCGA  
 GAAGCCTAGAATGTCAAACCTCATCTTTCATCATCCAACATTTTGCTGACAAGGTGGAGTACCAATGTGAA  
 GGGTTCCTGGAGAAGAAGACAGAGACTGTCTATGACATGCTGGTGGAGATCCTCAGAGCAAGCAAGTTTC  
 ATCTCTGTGCCGCTTTTTCAAGAAAGCCCTGTTCCGCTTCTCCCTTTGGGGCGATGATCACAGTTAA  
 ATCTGCAAAGCAGGTATCAAGCCGAACACCAAGCACTCCGGACCACTGTTGGGAACAAGTCCGCGAGC  
 TCTCTGTACTTGTCTATGAAAACCTCAATGCCACCACACCCACTACGTCGGTGCATCAAGCCAATG  
 ATGAGAAAATGCCCTTTGAGTTTGACTCCAAGCGGATTGTCCAGCAGCTGGCAGCTGTGGCGTTTGA  
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 CAGGTCACCTCTGACCGCTGAAGGGGGAGGTGGCCCGCTAAGCAAGCAGGCAAAGACCATCTCTGAGT  
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 GAAGATAGAAGGAAAGCTGGAAGAGCCGTTACGCCACCTGAACCGAATCCGAGAAGAGGAGAGAATGCAG  
 GGCAGGGCCGTGGAAGCACAGAGTGAGATGCATCCAGAAGGGAAGGAGAGGCTGGTGGGTGCGATCCACG  
 AACCGCATGAAGCCATCAAGTTCCAAAGAAGCAACCAGAAGCTGAGGAGGAAGTCGAGAGTATTCTCCA  
 ACAAGAAGCGTCCCGGCTCTCTTTGGAAAAGAGGGATCTCGAGGAAGAGTTAGACATGAAGGACAGAATG  
 ATTAGAAGGCTACAAGATCAAGTCAAGACTCTGACCAAGACGACTGAGAAAAGCAACCATGTGCACCTGC  
 CCTCGGGATCCAGGGAGTACCTGGGGATGCTGGAATAACAAGAAAGAGATGAGGGGAAGCTCATTAAAA  
 CCTCATTCTTGACCTGAAGCCCCGAGGTGGTGGTGAACATGATCCCAGGGCTGCCAGCTCACATCCTG  
 TTCATGTGCGTGGGATACGCGGACTCCCTAAACGACGCCAACATGCTCAATCCCTCATGAACAGTGCTA  
 TTAACGGCATCAAGCATGTGTTAAGGAACATTTGAAGATTTGGAGATGCTGTCTTCTGGCTTTCCAA  
 CACTTGCCATTTCTTAACTGCCTGAAGCAGTACAGCGGAGAAGAGGAATTCATGAAGTATAACAGCCCA  
 CAGCAGAATAAGAAGTCTTGAACAATTTGATCTTACAGAATACAGACAGATTCTCAGTGTGTTGCCA  
 TACGGATTTATCATCAGTTCATCATTGTGATGGAAAACAACCTCCAGCCGATAATAGTGCCAGGCATGCT  
 GGAGTATGAGAGCCTGCAGGGCATTTCGGGCTGAAGCCCACTGGTTTCCGGAAGCGCTCATCCAGCATC  
 GACGACACAGATGCCTACACCATGACGTCCATCCTGCAGCAGTGAAGTACTTCTACAGCACCATGTGTC  
 AGAACGGCCTGGACCCGAGATTGTGAGGCAGGCGGTCAAGCAGTTGTTCTACCTGGTGGGGCGGTGAC  
 CCTCAACAGCCTCTCCTGCGCAAGGACATGTGCTCCTGCAGGAAAGGCATGCAGATCAGGTGCAACATC  
 AGCTTCTTGAAGAATGGCTAAAAGATAAGAATGTGCAGAGTAGCTTAGCCAAGGAGACACTGGAGCCCC  
 TCTCTCAGGCAGCCTGGTTGCTGCAGGTGAAGAAGACCACAGACAGTGTGATGCCAAGGAGATCGCCAGTG  
 TTGCACTTCCCTGTCTGTGTCAGATCATAAAGATCCTTAATTCATACACACCTATAGACGACTTCGAG  
 AAAAGAGTCAATCCATCTTCGTCGGCAAAGTACAGGCTCTTCTGAATAACCGGGGCGACTCGGCACAGC  
 TGATGCTGGATACCAATATCTTTTTCAAGTACATTTCTTTTACCAGCTCACACACGCTGGAGAT

GACCCAGATCCCCAGCAGCTTCAAGCTCGGCTTTCTCCGGAGACTGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001081322

**Insert Size:** 5229 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\_001081322.1, NP\_001074791.1

**RefSeq Size:** 6733 bp

**RefSeq ORF:** 5229 bp

**Locus ID:** 208943

**Cytogenetics:** 9 D