

## Product datasheet for **MC224947**

### Myo5b (NM\_201600) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Myo5b (NM\_201600) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Myo5b  
**Synonyms:** AI661750; mKIAA1119  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224947 representing NM\_201600  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCGTACAGCGAGCTCTACCCCGGTACACAAGGGTCTGGATCCCTGACCCAGATGAGGTGTGGCGCT  
CGGCTGAATTAACCAAGGACTACAAAGAAGGGGATAAGAGCCTGCAGCTCAGACTAGAAGATGACACAAT  
TCTAGAATACCCAGTTGATGTCCAAAATAACCAGGTGCCATTCTTGCGGAATCCAGATATCTTAGTAGGA  
GAAAACGACCTCACTGCCCTCAGCCACCTCCACGAGCCCGCAGTTCTGCATAACTTAAAGGTCCGTTTCC  
TGGAAATCCAACCACATCTACACTTACTGTGGAATTGTGCTTGTGCCATCAACCCCTACGAGCAGCTGCC  
AATCTACGGACAGGATGTCATCTATGCCTACAGTGGCCAAAACATGGGTGACATGGACCCCCACATCTTT  
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AGTCTGGAGCAGGCAAGACGGTGTGGCCAAAGTACGCCATGCGCTATTTTCCACCGTTGGTGGCTCAGC  
CAGTGATACCAACATTGAAGAGAAGTCTAGCATCCAGCCCATCATGGAGGCCATTGGGAACGCCAAG  
ACTACTCGCAACGACAACAGCAGCCGATTTGGGAAATTCATTGAGATTGGCTTTGATAAAAAGTACCACA  
TCATTGGGGCCAACATGAGGACCTACTGTGCTGGAGAAGTCCAGGGTGGTCTTTTCAGGCGGATGACGAGAG  
GAACTACCACATCTTTTACCAGCTCTGTGCTGCTGCCAGCCTTCCGAATTTAAAGAGCTCGCCCTAACG  
TGCGCAGAGGACTTTTTCTATACAGCCATGGAGGAAAACAGACCATCGAGGGTGTGAATGATGCAGACG  
ACTTTGAGAAGACTAGACAAGCCCTCACACTCCTGGGAGTGCAGGATTCCCATCAAATAAGCATCTTTAA  
GATAATTGCTTCTATCTTGCACCTGGGAAGTGTGGAGATTGAGTCTGAGCGGGACGGGGATTCTGCAGC  
ATTTACCCAGGATGAACACTTGAGCACTTCTGCAGCCTGCTAGGAATAGAACACAGCCAGATGGAGC  
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GGTCAATGCACGTGATGCCTTAGCCAAGCACATCTATGCTCAGCTGTTCTCCTGGATTGTGGAGCACATC  
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CCTTCGAGATCAATAGCTTTGAACAGTTTTGTATCAACTACGCCAATGAAAAGCTCCAGCAACAGTTCAA  
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TACGATAACCAACCGTGTATAGACCTCATAGAGGCAAAGCTGGGCATCCTGGACCTGTTGGATGAGGAGT



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GTAAGGTCCCAAGGAAGTATGATCAGAAGTGGGCCAGAACTCTACGAACGACACTCCAACAGCCAGCA  
 CTTCCAGAAACCACGCATGTCCAACACGGCCTTATTGTCAACCACTTTGCAGATAAGGTGGAGTACCTT  
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 GCCCGCTCGGCAGAGCATCTGAAACGCCTCAACGTGGGCATGGAGAACAAGTCTCCAGCTACAGCGGA  
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 CAGCTGCAGGAGGAGTTAGAGCCTGCGCACTGAACTACAGAAGGCTCATTTCGGAGCGCAGGGTCTGG  
 AGGATGCTCACAACAAGGAGAATGGCGAGCTGAGAAAGCGAGTTGCAGACCTGGAACATGAAATGCCCT  
 CTTGAAGGATGAAAAAGAATACCTTAACAACCAAACTCTGTGCCAGTCAAAGCTGAATCTTCGAGAGC  
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 AGGAGTACTCCCAGCTGGAGCAGAGATATGAGAACCTTCGGGACGAGCAAACTCCGGGCCACAGGAAGAA  
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 CCTCCTCCTGAACCAGCTCAAGCTGGCCAATGAGGAGCTCGAGGTCCGCAAGAGGAGGTGCTGATCCTC  
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 GAACAAGTTGGCCCAACAGTGAAGAAGCAGTGGACCAGGAAGACGCCATTGAGGCCATACAGGGGTCTG  
 CCAGACAAACAGGTTGCTGGAGGCCAGCTGCAGGCCAGAGCCTGGAGCATGAGGAGGAGGTGGAACAT  
 CTCAAGGCCAGGTGGAAGCCCTGAAAGAGGAGATGGACAACAGCAGCAGACCTTCTGCCAGACCTGC  
 TGCTCTCCCCAGAGGCCAGGTAGAATTTGGTGTCCAGCAGGAGATATCCCGGCTGACCAATGAGAACCT  
 GGATTTTAAGGAATTTGGTGGAAAAGCTGGAGAAGAATGAGAGGAAGCTGAAGAAGCAGCTGAAGATTTAC  
 ATGAAGAAGGTTCCAGGACTTAGAAGCTGCTCAGGCGTTGGCACAGAGTGCAGGAGACACCATGAACTCA  
 CAAGACAGGTACAGTCCAACGAAAAGAGAAGGACTTCCAAGGCATGCTGGAGTACCACAAAAGAGGACGA  
 AGCCCTCCTCATCCGAACTTGGTGCAGACCTGAAGCCTCAGATGCTGTGCGGCACCGTGCCTGTCTG  
 CCTGCATACATACTCTATATGTGCATCAGGCACGCGGATTACACCAACGATGACCTCAAGGTGCACTCGT  
 TGCTGAGTCCACCATCAACGGCATTAGAAAAGTCTCAAGAAGCACAATGATGACTTTGAGATGACGTC  
 ATTCTGGTATCCAACACCTGCCGCTTCTTCACTGTCTGAAGCAATACAGTGGTATGAGGGTTTCATG  
 ACACAGAACACTGCGAAGCAGAATGAGCACTGTCTCAAGAACTTTGACCTCACTGAATACCGCCAGGTGC  
 TAAGCGACCTTTCCATTCAGATCTATCAGCAGCTCATAAAATCGCCGAGGGCTTGCTGCAGCCTATGAT  
 AGTTTCTGCCATGTTGGAATGAGAGTATCCAGGGGCTGTCTGGTGTGAGACCAACTGGTTACCGGAAG  
 CGCTCCTCCAGCATGGTGGATGGAGAGAATTTCGATTGCTGGAGGCCATCGTCCGCCAGATGAATCTT  
 TCCATACAGTCTGTGTGACCAGGGTCTGGACCCGAGATTATCCTGCAGGTGTTCAAACAGCTCTTCTA  
 CATGATCAACGCTGTGACTCTTAACAACCTACTCCTGCGGAAAAGACGCCTGCTCCTGGAGCACAGGCATG  
 CAACTCAGGTACAACATAAGTCAACTGGAAGAGTGGCTTCGGGGCAAAAACCTTACCAAAGTGGAGCAG  
 TTCAGACCATGGAGCCCTCATCCAGGCAGCCAGCTCCTCCAGTGAAGAAGAAAACCCACGAGGATGC

TGAGGCCATCTGCTCTCTGTGCACCTCCCTCAGCACCCAGCAGATTGTCAAATTTTAAACCTCTACACT  
 CCCTTGAATGAATTTGAGGAACGGGTCACAGTGCCTTCATACGAACAATCCAGGCTCAGCTACAAGAGA  
 GGAATGACCCTCAGCAGCTCCTGCTGGACTCCAAGCACGTGTTCCAGTTCTGTTTCCATATAACCCATC  
 TGCTCTGACCATGGACTCGATCCACATCCCGGCTGTCTCAACCTGGAGTTTCTCAATGAAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM\_201600
- Insert Size:** 5457 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\\_201600.2](#), [NP\\_963894.1](#)
- RefSeq Size:** 6647 bp
- RefSeq ORF:** 5457 bp
- Locus ID:** 17919
- Cytogenetics:** 18 50.7 cM