

Product datasheet for RN210559

Myo5b (NM_017083) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myo5b (NM_017083) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Myo5b
Synonyms:	Myr6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN210559 representing NM_017083 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGTACAGCGAGCTCTACAGCCGGTACACGAGGGTCTGGATCCCCGACCCAGATGAGGTGTGGCGCT
CGGCTGAACTAACCAAGGACTACAAAGATGGGGATGAGAGCCTACAACCTCAGACTGGAAGATGACACAAT
TCTGGATTACCAATCGATGTCCAAAATAACCAGGTGCCATTCTTGCGGAATCCAGATATCTTAGTAGGA
GAAAACGACCTCACTGCACTCAGCCATCTCCACGAGCCCGCAGTTCTGCATAACTAAAGGTCCGTTTCC
TGGAGTCTAACCATCTACACTTACTGTGGAATTGTGCTTGTGCCATTAATCCCTATGAGCAGCTGCC
AATCTACGGGCAGGATGTCATCTATGCCTACAGTGGCCAAAATATGGGCGACATGGATCCCCACATCTTT
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AGTCTGGAGCAGGGAAGACCGTGTGAGCAAGTATGCCATGCGCTATTTTGCCACAGTTGGGGGCTCAGC
CAGTGATACCAACATCGAAGAGAAGGTCTGGCTTCCAGTCCCATCATGGAGGCCATCGGGAATGCCAAG
ACAACCTCGCAACGACAATAGCAGCCGATTTGGGAAGTACATTGAGATCGGCTTTGATAAAAAAGTACCACA
TCATCGGGGCCAACATGAGGACCTATTTGCTGGAGAAGTCCAGGGTGGTCTTTTCAGGCGGATGATGAGAG
GAACTACCACATCTTTTACCAGCTCTGTGCTGCGGCCAGCCTTCTGAGTTAAAGGAGCTCGCACTAACA
TGTGCAGAGGACTTTTTCTACACCGCCCATGGAGGAAACAGACCATCGAGGGTGTAGATGATGCGAGAG
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ATATCGCCCCAGGACGAACACCTGAGCAACTTCTGCCGCTGCTAGGAATAGAGCACAGTCAGATGGAGC
ACTGGCTGTGTCATCGGAAGCTGGTCACCACCTCCGAGACCTACGTCAAGACCATGTCCCTGCAGCAAGT
GGTCAACGCACGCAATGCCTTGGCCAAGCACATCTATGCCAGCTGTTCTCCTGGATTGTGGAGCACATC
AACAGGCCCTGCAAACCTCCCTTAAACAACACTCCTTCATCGGGGTCTGGATATTTATGGGTTTGAGA
CCTTCGAGATTAATAGCTTCGAGCAGTTTTGTATCAACTATGCCAACGAAAAGCTCCAGCAACAGTTCAA
CTCGCATGTGTTCAAGCTGGAGCAAGAAGAGTATATGAAGGAGCAGATCCCGTGGACCTTGATTGACTTC



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TATGATAACCAACCGTGCATAGACCTCATAGAAGCCAAGCTGGGTATCCTGGACCTGTTGGATGAGGAGT
 GTAAGGTCCCAAGGAAGTGCATCAGAAGTGGGCTCAGAACTCTATGAACGGCACTCCAACAGTCAACA
 CTTCCAGAAACCACGCATGTCCAACACGGCCTTATTGTCATCCACTTTGCAGACAAGGTGGAATACCTT
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 GAGGCCGTTCTGCAGAGCATCTGAAACGCCTCAACGTGGGCAATGGAGAACAAGTTGTCCAGCTGCAGC
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 TGCCATGGAGGTGGAGAAGCTGAAGAAGGAGCTGGCGCTTACCAGCAGAACCAGGAGGCTGACCCAGC
 CTTGAGTGCAGGAGGAGTACAGAGCTGCGCACCGAACTACAGAAGGCTCATTGAGAGCGCAGGGTCC
 TAGAGGATGCTCACAACAGGGAGAAATGGTGAAGTGAAGAAGGAGTGCAGACCTGGAACATGAAATGC
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 GGTCTGCCAGACAACAGCCAGACTGAGGATTGGGGATATTTGAATGAAGATGGAGAACTCGGCTTGGCT
 TACCAAGGCCTAAAGCAAGTCCGAGGTTGCTGGAGGCCAGCTGCAGGCCCAGAACCTGAAGCATGAGG
 AGGAGTGGAGCATCTCAAGGCCAGGTGGAGGCCATGAAGGAGGAGATGGACAAACAGCAGCAGACCTT
 CTGCCAGACTCTGCTGCTCTCCAGAGGCCAGGTAGAATTTGGTGTCCAGCAGGAGATATCCCGGCTG
 ACCAATGAGAACCCTGGACTTAAAGGAGTTGGTGGAAAAGCTGGAGAAGAATGAGAAGAAGCTGAAAAGC
 AGCTGAAGATTTACATGAAGAAGTCCAGGACTTAGAAGCTGCCAGGCATTGGCACAGAGTGCAGGAG
 GCACCATGAACCTACAAGACAGGTACGGTCCAACGAAAAGAGAAGGACTTCCAAGGCATGCTGGAGTAC
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 CAAGGTGCACTCGTTGCTGAGCTCCACCATCAATGGCATTAAAGAAAGTCTCAAGAAGCACAATGAGGAC
 TTTGAGATGACGTCATTCTGTTATCCAACACCTGCCGCCTCCTTCACTGTTTGAAGCAGTACAGTGGG
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 CCAGATGAATTTCTTACATACAGTCTGTGTGACCAGGGCCTGGACCCCGAGATTATCCTGCAGGTGTT
 AACAGCTTTTCTACATGATCAATGCGGTGACTTTAAACACCTACTCCTGCGGAAAAGATGCCTGCTCCT

GGAGCACC GG CATGCAACTCAGGTACAACATAAGTCAACTCGAAGAGTGGCTTCGGGGAAAAAACCTTCA
 GCAGAGTGGAGCGGTTTCAGACCATGGAGCCCTTGATCCAGGCAGCCCAACTCCTTCAGCTGAAGAAGAAG
 ACCCAGGAGGATGCTGAGGCCATCTGCTCTGTGTACCTCCCTCAGCACCCAGCAGATTGTCAAAATTT
 TAAACCTCTACACTCCCTTGAATGGATTTGAAGAACGGGTGACAGTGTCTTTATACGAACAATCCAGGC
 TCAGCTACAAGAGAGGAGTGACCCCGAGCAGCTACTGCTGGACTCCAACACATGTTTCTGTCTGTTT
 CCATTTAATCCATCTGCTCTGACCATGGACTCAATCCACATCCCGGCCTGTCTCAATCTGGAGTTCTCA
 ATGAAGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_017083
- Insert Size:** 5541 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_017083.1](#), [NP_058779.1](#)
- RefSeq Size:** 6075 bp
- RefSeq ORF:** 5541 bp
- Locus ID:** 25132
- UniProt ID:** [P70569](#)
- Cytogenetics:** 18q12.2
- Gene Summary:** 3 sequence has high similarity to a putative mouse glutamic acid decarboxylase [RGD, Feb 2006]