

Product datasheet for **MC201330**

Myo1c (NM_008659) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myo1c (NM_008659) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Myo1c
Synonyms:	C80397; mm1bet; mm1beta; MM1b; MYO1E; myr; myr2; NMI
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC021481 sequence for NM_008659
 CCACGCGTCCGCGGAGAGATCGTACCGGGTTGCCGACTCCGAGGTGGCCACGCCCTCCAGTCCAGCCC
 CCGCCCGATCACCCGAAGAACCAAGCCGGCCCTGGGCAGTGACGGGGTTCGAGTGACCATGGAGAGCGCC
 TTGACTGCCCGAGACCGGGTAGGGGTGCAGGACTTTGTCCTGCTGGAGAATTTACCAGTGAGGCTGCCT
 TCATTGAGAACCTCCGGCGGCGTTCCGGGAGAACCTCATTTATACCTACATCGGTCCTGTCTAGTCTC
 TGTCAATCCCTACCGAGACCTACAGATCTACAGCCGCGCAGCATATGGAACGCTACCGTGGTGTGAGTTTC
 TATGAAGTACCACCTCATTTGTTTGCAGTGGCTGACACTGTATACCGGGCACTTCGTAAGTGTGAGCGTCCGG
 ACCAGGCAGTGATGATTCTGGAGAGAGTGGGGCAGGCAAGACAGAGGCCACCAAGAGACTGCTCCAGTT
 CTATGCAGAGACCTGCCAGCCCTGAACGGGGTGGCGCAGTGCAGAGCCGCTGTTGCAGAGCAACCCC
 GTGTTAGAGGCCCTTTGGGAATGCCAAGACTCTCCGCAACGATAACTCCAGCCGGTTTGGAAAGTACATGG
 ATGTGCAGTTTGACTTCAAGGGTGCCCCGTGGGAGGCCACATTCTCAGTTACCTCCTGGAAAAGTCCCG
 GGTGGTGCACAAAATCACGGAGAGCGGAACCTCCACGCTTTTTACCAGTACTGGAGGGGGCGAGGAG
 GAGACTCTCCGTCCGCTGGGCTTGGAAACGGAACCCCCAGAGCTACTTGTACCTGGTGAAGGGCCAGTGTG
 CCAAGGTCCTCCTCCATCAACGACAAGAGTACTGGAAGGTTATGAGGAAGGGCCTGTCCGTCATTGACTT
 CACTGAGGATGAAGTGGAGGACTTGCTCAGCATCGTGGCCAGCGTCTACATCTGGGCAACATCCACTTT
 GCTGCTGACGAGGACAGCAATGCCAGGTTACTACTGAGAACCAGCTCAAATATCTGACCAGGCTCCTTG
 GTGTGGAAGGTACAACACTTAGGGAAGCCCTGACCACAGGAAGATCATCGCCAAGGGGGAAGAGCTCCT
 GAGCCCACTGAACCTTGAACAGGCGGCATATGCAAGGGATGCGCTTGCCAAGGCTGTGTACAGCCGGACA
 TTCACCTGGCTGGTCAGAAAGATCAATAGGTCACTGGCCTTAAGGACGCTGAGAGCCCCAGCTGGCGGA
 GCACCACGGTTCTTGGGCTCCTGGACATTTACGGCTTTGAAGTGTTCAGCATAACAGCTTCGAGCAGTT
 CTGCATCAACTACTGCAATGAGAAGCTGCAGCAGCTTTCATCGAGCTGACTCTCAAGTCGGAGCAGGAG
 GAATACGAGGCTGAGGGCATCGCGTGGGAACCTGTCCAGTACTTCAACAACAAGATCATCTGTGACCTGG
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 CCTGACCTTTCTGGAGAAGTTGGAGGACACTGTCAAGCCCCACCCTCACTTCTGACGCACAAGCTCGCT
 GACCAGAAGACCAGGAAATCTCTAGACCGAGGGGAGTTCCGCCTTCTGCATTATGCTGGAGAGGTGACCT
 ACAGTGTGACTGGGTTTCTGGATAAAAACAATGACCTCCTTCCGGAACCTGAAGGAGACCATGTGCAG
 CTCATGAACCCATCATGGCCAGTGCTTTGACAAGAGTGAGCTCAGTGACAAGAAGCGGCCAGAGACG



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GTGGCCACCCAGTTCAAGATGAGCCTCCTGCAGCTCGTGGAGATCCTGAGGTCTAAGGAGCCTGCCTATA
TCCGGTGCATCAAGCCAAACGACGCCAAGCAGCCGGTGCCTTTGATGAGGTGCTCATCCGACATCAGGT
GAAGTACCTGGGACTGATGGAGAATCTGCGCGTGCAGAGCTGGCTTTGCCTATCGTCGCAAAATAGAG
GCTTTCTGCAGAGGTACAAGTCACTGTGCCAGAGACATGGCCCATGTGGGCAGGACGGCCCCAGGATG
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CAGGGCAGCATAACGTTTGCAGGGGGTCCAGGCAGGGACGGCATCATTGACTTCACATCGGGCTCAGAGC
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GCTTCAGTGGACCCCTCTGACTCCTGATGCTTCGCTTAGTCCCCTCCTCCCCTCCAGTTACCAAAGAC
TCAAGCTCCAGACAGGGATCCATGGACACCTCAAACCCACCTGCAAACTCCTGCCTCCTGCTGCCCC
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AGGTTTTCTCTGAGATTTTTGATGCTTTATAGAAAATTTTTTTAAGAAAGCCATTTTCTACCCCTA
AACACACTGGATGTGTTTTCCCTGCCTCGAACAGGGCAAGGAATGTAAGTGAAGACTGACTGGCTGG
GCTGGAAGGCTCTTCTCTGGCCAAGCCTCTCCTCATTCCCTGTCTGTCTGTCCATCCACCTGCACCTT
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CAATCCCAGCATTAAAAATAAAAAATAGTTTTTAATTTTTTACCCAGTCTGAGGGCATCCCTAAA
GTGGGGAAAAGTCTTAAGAGTTTGAAGTCTTACAGACAGTGTCTGGTCCAGGCTCCTGGAATCTACA
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GAAGCCCGCCCTCAGCACATCTCACTGCCTTTCCAGGGACAGGGAGGCCATAAGGCAAGGGTCCGCTC
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CTGGGTCTATGCCTTAGGATGACAACCTCCATACACATACATACTTTGACCCAAATTTAAGAATGGTAGG
GTCTTTTATTGGCCTTGGGTGCCTCTGTGACCTGGGAGCCTAGGGACAGGGCTGGCCTTGGAGGAAGTGC
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CCCTCTGGGGCTCTCAGCCACTGCTGACACTTCTGCAATCCAGAGAAACTAAATAAAGCAATATGTA
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CACTACAGAAGAAAGGAGACAGACCTACTTAGGAGCAATAGAGAGAAACCAAGTTAGGTGGTATTGTG
AGCCTTAGTGCTCAGGAAGCAGGGACAGGAGGATTGGATTTCTTAGTTCTAGGCCAGCCTGGTCTACAAA
TCAAGTCCAGGGCTATATAGACAGGCACGGGGCTTTGGATTTGGGCAAAATAAATACCTGGTCTGGCAGC
ACCGCTGGACTAAGGAGACCTAGCATGGCAATATAAGCCAGGGGCTGTGCTGATGCAAGACTCAGGT
GGGGAGGGTCACTTTCATAAGGAAGTGGTGTGGAGGATCTCAGGGGCTTGGTCCAGTCTGGGG
ATAAAGAATCCAGTCCAAAGTGGCTGGAGCGGTAAGGCCACTTGTCAACAATGGCCATTTTATTGTCT
GGGGAGATCTACTTCTAGGTGATCAAAAGACATTGTTAGGAAAATGTCTTGGGGCTAGAGAGATGGCTC
AGTGGTTAAGAGAACTGACTGCTCTTCTGAAGGCTCCTGAGTTCAATCCCAGCAACTACACGGTGGCTCA
CAACCATCTGTAATGGGGTCTGATGCCTTCTGTGTCTAAAGGGAGCAATGGTGTACTCATATGCA
TAAAAATAATGAATAAATAAACAATCTTAAAAAAAAAAAAAAAAAAAA

Restriction Sites:

RsrII-NotI

ACCN:

NM_008659

Insert Size:	3087 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:	<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>BC021481</u> , <u>AAH21481</u>
RefSeq Size:	5227 bp
RefSeq ORF:	3087 bp
Locus ID:	17913
UniProt ID:	<u>Q9WTI7</u>
Cytogenetics:	11 45.92 cM
Gene Summary:	<p>This gene encodes a member of the unconventional myosin protein family, which are actin-based molecular motors. The protein is found in the cytoplasm, and one isoform with a unique N-terminus is also found in the nucleus. The protein functions in intracellular vesicle transport to the plasma membrane. The nuclear isoform associates with RNA polymerase I and II and functions in transcription initiation. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (3) contains a distinct 5' UTR and lacks an in-frame portion of the 5' coding region, compared to variant 4. The resulting isoform (b) has a shorter N terminus when compared to isoform c. Variants 2 and 3 encode the same isoform.</p>