

Product datasheet for **SC215298**

Myosin 1C (MYO1C) (NM_033375) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Myosin 1C (MYO1C) (NM_033375) Human 3' UTR Clone
Symbol:	Myosin 1C
Synonyms:	MMI-beta; MMIb; myr2; NMI
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_033375
Insert Size:	1570 bp



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Insert Sequence: >SC215298 3'UTR clone of NM_033375
 The sequence shown below is from the reference sequence of NM_033375. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTGGTCGCCCCACGGCTGAATTCTCGGTGATAAAGGCGCCCACTGGACCCTCCCAACGCCCAATGCTTT
GCTTTTCTCCTCCTCCCCTTCCCAGTTACCAAAGACTCGAACTTCCAGACAGGGACCCAGGGACACCCC
GAAGCCCACCTGCAATCTCCACCTCTGCCATCCCTCTCTTGAGGGAGCAGCAGGGGCCAGGAGCTA
CCCCAGGAGTGGGCCAGGCCGGCCACAGCAATAGGAAAGCCAGGGCCAGAGCGAGCCATGCCAGCCCT
ACTGCCGATGCCAAATATTTGAGAGAAGGGAACTTTGTGAGGTTTTCTGAGGTTTTTTGATGCT
TTATAGGAAACTATTTTTAAAAAAGCCATTTCCACCCAAGGACACAGTGGATGTGTTTTCCCTGAC
TCCAGCAGGGCAAGGAATGTAGCCGAGAGGTTGTGTGGGCTGGGCTCTGGTGCCCTTCCCTGGCCAG
GACACCTCTCCTCTGATTCCCTTGGCACCTTGTCTTTCTGTCTGTTTACCTGTCTCCCTGCCTGCCCA
TCTGCATCTTTTGCAGCCCACTCTGACTTCCATCTGGGGGCTGAGACCACCTTGCTGCCTCCCTTCTT
TCTGCCTTAAGAATGTCCTTTTAGGCTGGGCATGGTGGCTCACGCCTGTAAACCCAGCACTTTGGGAGG
CGGAGACGGGCAGATAACCTGAGGTGAGGATTTGAGACCAACCTGACCTACATGGAGAACTCCGCCT
CTAGTAAAAATACAAAATTAGCCGGGATGGTGGTGCACGCCTCTAATCCCAGCTACTCGGGAGGCTGA
GGCAGGAGAATCACTTGAACCCGGGAAGTGGAGTTGCAGTGAGCCAAGAGTACACCACTGCACTCCAG
CCTGGGCAACAGAGCGAGACTCCGTCTTAAAAAAAAAAAAAAAAAAGAACGCCCTTTTACTGTCCTCATCAT
CCCAGTTTGAGGCAGTGTGGAGTGGGAAGGCCGTCTTAGACCATAGAGGTTGGAAGACGCTGAGAGA
TCATCCAGCCCGCCCTTGATGTTACAGAGCAGAAGACAGATGCCCAAACAGGAGAAGGCACCTTGCCC
ACGGTCATACGGCAGGTTGCCACAAAACCAAGATGGCAGCCCTTCTCAGCGTGCCTCACTGCCACTCC
CAGAGCCAGGGAGCCCAATAAAACCCACATCATGTCTTAAAGATATATCTGGCTCCTTGACCAGCAATC
GGCCCTGGGAGCCACCAGGTGGGAAAAGCGCCTCTGCCAGAGTCCAGGCCTTGGGATGACAGACAGCTT
GCCCGCACACTCGGGCCCACTCAAGGATGTAGGGCCTTTTCTGGCCCTGACCCCTCCCTGGCATGGG
AGCGTGGGACGGGGCTGGCCTTGGGAGGAGCGGCAGGGGCATCACCTCCTTCTGCTGCTCTCCCTGC
TCCTACCTCAAGGGCTGGGGCTGCCAGCTGCCTCTATGCCCTTCTGGGGTCTCAGCCCACTGCT
GACTTCTGCAATCCAGAGAACTAAATAAAGCAATACGTGTTTGCCAA
ACGCGTAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_033375.5](#)

Summary:

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 nuclear isoform associates with RNA polymerase I and II and functions in transcription initiation. The mouse ortholog of this protein also functions in intracellular vesicle transport to the plasma membrane. Multiple transcript variants encoding different isoforms have been found for this gene. The related gene myosin IE has been referred to as myosin IC in the literature, but it is a distinct locus on chromosome 19. [provided by RefSeq, Jul 2008]

Locus ID:

4641

MW:

56.7