

Product datasheet for RN211197

Myo1c (NM_023092) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myo1c (NM_023092) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Myo1c
Synonyms:	Myr2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN211197 representing NM_023092 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCGCTACCGGGCGTCGGCCCTGGGCAGTGACGGGTACGAGTGACCATGGAGAGCGCCTTGACTGCC
GAGACCGGTGGGGTGAAGACTTTGTTCTGCTGGAGAAGTCCACAGTGAGGCTGCCTTCATTGAGAA
CCTCCGGCGTCGATTCGGGAGAACCTCATTATACCTACATTGGCCCTGTCCTGGTCTCTGTCAACCC
TACCGGGACCTACAGATCTACACACGGCAACATATGGAACGCTACCGTGGCGTCAGTTTCTATGAAGTGC
CGCCTCATCTGTTTGCAGTGGCTGACACTGTATACCGGGCGCTTCGTAAGTGGAGCGTGGGACCAAGCAGT
GATGATTTCTGGAGAGAGTGGGGCAGGGAAGACAGAGGCCACCAAGAGATTGCTCCAGTTCTATGCAGAG
ACCTGCCAGCCCTGAAAGGGGTGGCGCAGTGCAGAGCCGCTGTTGCAGAGCAACCCTGTGCTGGAGG
CCTTTGGGAATGCCAAGACTCTCCGCAACGACAACCTCCAGCCGCTTTGGGAAGTACATGGATGTGCAGTT
TGACTTCAAGGGTGCCCTGTGGGAGGCCACATTCTCAGTTACCTCCTGGAGAAGTCTCGAGTGGTACAC
CAGAATCACGGAGAACGGAACCTCCACGTCTTTACCAGCTCCTGGAGGGGGGGAGGAGGAGGCTCTTC
GTGCTGTGGCTTGGAAACGGAACCCAGAGCTACTTGTACCTGGTGAAGGGCCAGTGTGCCAAGTCTC
CTCCATCAATGACAAGAGTACTGGAAGGTTGTGAGGAAGGCGCTGTAGTCACTTCACTGAGGAT
GAAGTGGAGGACTTGCTAAGCATCGTGGCCAGCGTCTACATCTGGCAATATCCACTTTGCTGCTGATG
AGGACAGCAATGCCAGGTTACTACTGAGAACCAGCTCAAATATCTGACCAGGCTCCTTGGTGTGGAAGG
CACAACACTGAGGGAAGCCCTGACCCACAGGAAGATCATCGCAAGGGGAAGAGCTCCTGAGCCCACTG
AACCTTGAACAGGCTGCATATGCAAGGGATGCTCTTGCCAAGGCTGTGTACAGCCGCACTTTCACCTGGT
TGGTCAGAAAGATCAATAGGCTCTGGCCTCTAAGGACGCTGAGAGCCCCAGCTGGCGAAGCACCACAGT
TCTTGGGCTCCTGGACATTTATGGCTTCGAAGTGTTCAGCATAACAGCTTCGAGCAGTTCTGCATCAAC
TATTGCAATGAGAAGCTGCAGCAGCTTTCATTGAGCTGACTCTCAAGTCCGAGCAGGAGGAATACGAGG
CAGAGGGCATCGCGTGGGAACCTGTCCAATACTCAACAACAAGATCATCTGTGACTGGTGGAGGAGAA
ATCAAGGGCATCATCTCCATCTTGATGAAGAGTGCCTGCGTCTGGGAGGCCACAGACCTGACCTTC
CTGGAGAAGCTGGAGGACACAATCAAGCACCACCTCACTTCTGACGCAACAAGCTTGTGACCAGAAGA



CCAGGAAATCCCTCGACCGAGGGGAGTTCGCCTTCTTCATTATGCGGGAGAGGTGACCTACAGCGTGAC
 TGGGTTTCTGGATAAAAAACAATGACCTCCTTCCGGAACCTGAAGGAGACCATGTGACAGCTCCACGAAC
 CCCATCATGGCCAGTGCCTTTGACAAGAGTGAGCTCAGTGACAAGAAGCGGCCAGAGACGGTGGCCACCC
 AGTTCAAGATGAGCCTCTTGACGCTAGTGGAGATCCTGAGGTCTAAGGAACCTGCTTATATCCGGTGCAT
 CAAGCCAAATGACGCCAAACAGCCGGGTCGCTTTGATGAGGTGCTCATCCGACACCAAGTGAAGTACCTG
 GGACTTATGGAGAATCTGCGTGTGCGCAGAGCTGGCTTTGCCTACCGTCGAAAATATGAGGCTTTCCTGC
 AGAGGTACAAGTCACTGTGCCAGAGACATGGCCCGTGTGGACAGGACGGCCCCAGGATGGGGTGGCTGT
 GTTGGTCAGACACCTTGGCTATAAGCCAGAAGAGTACAAAATGGGACAGGACTAAGATCTTCATCCGATTC
 CCCAAGACCTTGTGGCCACAGAGGACTCCCTGGAAGTCCGACGCGACAGTCTAGCCACCAAGATCCAGG
 CGGCGTGGAGGGCTTTCATTGGCGGCAGAAATTTCTCCGGTGAAGCGATCAGCCATCTGTATCCAGTC
 CTGGTGGCGCGGTAACTGGGCCGAGGAAGGCAGCCAAAAGGAAGTGGGACGCCAGACTATCCGTAGA
 CTCATCCGTGGCTTCAATTTGCGTCATGCACCCCGGTGCCCTGAGAATGCCTTCTCCTGGACCAGTGC
 GCACGTCAATTTTGTAACTGAGGCGACAACCTACCCCGAATGTTCTGGACACCTCCTGGCCACACC
 CCCACCTGCCCTGAGAGAGGCCTCGGAGCTGCTCCGGGAGCTATGCATGAAGAACATGGTGTGAAATAC
 TGCCGGAGTATCAGCCCTGAGTGAAGCAGCAGCTGCAGCAAAAGCGGTGGCTAGTGAAATTTTCAAGG
 GCAAGAAGGACAATTACCCAGAGTGTCCCAGACTTTTCATCAGCACACGGCTTGGCACAGAGGAGAT
 CAGCCCCAGAGTCTTCAGGCCTTGGGCTCTGAACCCATCCAGTATGCAGTGCCTGTGGTAAAATACGAC
 CGTAAGGGCTACAAGCCTCGTTCGCCGAGCTGCTGCTCACCCAGTGTGTGGTTCATCGTGGAGGATG
 CCAAAGTCAAGCAGAGAATTGATTATGCCAACCTAACTGGAATCTCCGTAGTACCTGAGTGTAGCCT
 GTTTGTGCTTACAGTGCAGCGTGAAGACAGCAAGCAGAAGGGAGATGTGGTACTGCAGAGCGATCATGTG
 ATCGAGACACTAACCAAGACGGCCCTCAGTGTGACCGTGTGAATAATATCAACATCAACCAGGGCAGCA
 TCACGTTTGCAGGGGTCCAGGCAGGGATGGCATCATCGACTTCACATCTGGCTCAGAGCTTCTCATCAC
 CAAGGTAAGAATGGCCACCTGGCTGTGGTGGCCACGGCTGAATTCTCGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_023092

Insert Size:

3135 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_023092.1](#), [NP_075580.2](#)
RefSeq Size:

3810 bp

RefSeq ORF:

3135 bp

Locus ID: 65261
UniProt ID: [Q63355](#)
Cytogenetics: 10q24
Gene Summary: novel class-I Myosin found in brain [RGD, Feb 2006]