

Product datasheet for **RN208655**

Myo1e (NM_173101) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myo1e (NM_173101) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Myo1e
Synonyms:	Myr3; MYR5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN208655 representing NM_173101 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGGCAGCAAAGGCGCCTACCGGTACCATTTGGCAGAGCCACAATGTCAAGCACAGTGGTGTGGACGACA
TGGTACTACTCTCCAAGATCACAGAGAGCTCCATCGTAGAGAACCTGAAGAAGAGATACATGGACGACTA
TATTTTTACATATATAGGGTCTGTCTTAATCTCTGTCAACCCTTTCAAGCAAATGCCATATTTGGAGAA
AAAGAGATTGAAATGTACCAAGGAGCGGCCAGTATGAGAACCACCTCATATCTATGCCCTTGACAGACA
GTATGTACAGAAACATGATCATCGACAGAGAGAACAGTGTGTCATCATCAGTGGTGAAGTGGTGTGG
AAAGACAGTAGCTGCCAAGTACATCATGAGCTACGTCTCCAGAGTGTCCGGAGGAGGCCCAAGGTCCAG
CATGTCAAGGACATCATCCTTCAGTCCAACCCACTCCTGGAGGCCTTCGGGAATGCCAAGACAGTCCGCA
ACAACAACTCCAGCCGATTTGGAAAATACTTTGAAATCCAGTTTCAAGTCCAGGTGGGGAACCATGTTGG
CAAGATCTCCAACCTTCTTCTGGAAAAGTCCAGAGTGGTATGAGGAACCCGGGAGAACGGAGCTTCCAC
ATATTCTACAGCTCATCGAGGGCGCCTCTCCAGAGCAGAAGCAAAGCCTTGGTATCACCAGCATGGACT
ACTATTATTACCTGAGCCTCTCAGGGTCATACAAGTTGATGACATTGATGACAAGCGGGATTTCAGGA
AACCTTGACAGCCATGAATGTGATTGGGATCTTCTCAGAGGAGCAGACTCTCGTGTGCAGATTGTGGCT
GGAATTTCTCACTTTGGGAAACATCAACTTCAAGGAAGTGGCAACTATGCGGCCGTGGAGAGCGAAGAAT
TTTTGGCTTTTCTGCGTATCTGCTGGGTATAAACCAAGACCGGTTAAAGAGAAAGTGACGAGCCGGCA
GATGGACAGTAAGTGGGAGGAAAGTCAGAGTCCATCCATGTGACCCCTCAATGTGGAGCAGGCCTGCTAC
ACCAGGGATGCCCTCGCCAAGGCCCTGCACGCGCAGTCTTTGATTTCTTGGTGGATTCCATCAATAAAG
CTATGGAGAAGGACACGAGGAGTACAACATTGGTGTCTGGACATCTATGGCTTTGAAATATTTTCAGAA
AAATGGCTTCGAGCAGTTCTGCATCAATTTCTGTTAATGAAAAATTACAGCAGATTTTATCGAGCTGACG
CTAAAGGCCGAGCAGGAAGAATACGTTCAAGGAGGGGATAAGATGGACACCCATTGAATATTTCAATAATA
AAATTGTGTGTGACCTCATAGAGAGCAAAGTCAACCCTCTGGAATTATGAGCATCTGGATGACGTGTG
TGCCACCATGCATGCTGTGGGTGAGGGTGTGACCAGACACTGCTACAGAAGCTCCAGATGCAGATCGGG



[View online »](#)

AGCCATGAGCACTTTAACAGCTGGAACCAAGGTTTCATTATTCACCACTATGCTGGGAAGGTTTCCTATG
ACATGGATGGCTTCTGTGAAAGGAACCGGATGTGCTATTCATGGACCTGATTGAGCTCATGCAGAGCAG
TGAGCTGCCTTTTATAAAGTCTTTATTTCTGAAAACCTGCAAGCCGACAAGAAAGGGCGCCCAACGACT
GCAGGAAGCAAAATAAGAAACAAGCCAATGACCTCGTGAGCACCTGATGAAATGTACACCCCACTACA
TTCGCTGCATAAAACCGAACGAAACCAAGAAGCCCAAGACTGGGAGGAGAGCAGAGTGAAGCATCAAGT
GGAGTACCTGGGTCTCAAGGAAAACATCCGAGTGAGAAGGGCTGGTTATGCTTATCGGCGTGTCTCCAG
AAATTTCTACAGAGGTATGCCATTCTGACCAAAGCTACCTGGCCTGTGTGGAGAGGAGATGAGAAACAAG
GTGTCCCTCCATCTGCTACAGTCTGTCAACATGGACAGCGACCAAGTTCAGCTCGGGAGGAGTAAAGTGTT
CATCAAAGCCCCGGAGTCTCTATTTCTTCTGGAAGAGATGAGAGAGAGAAAGTATGATGGGTACGCACGC
GTGATACAGAAAACATGGAGGAAGTTTGTGGCCGCAAGAAGTATGTCCAGATGAGAGAAGACGCCTCAG
ACCTGTTGTTGAACAAGAAGGAGAGGAGGAGAAACAGCATCAACCGAACTTCATCGGGGACTACATCGG
GATGGAGGAGCACCCGGAGCTCCAGCAGTTTGTGGCAAGAGGGAGAAGATTGACTTTGCTGACATAGTC
ACCAAGTATGACAGGAGGTTCAAGGGTGTCAAGCGAGACCTGCTGCTAACCCCAAAGTGCTTGACTTAA
TTGGAAGGAGAAGGTGAAGCAAGGCCCGGACAAAGGTCTTGTGAAGGAAGTCTGAAGCGGAAGATCGA
GGTGGAAAGGATCCTGTCCGTGTCCCTCAGTACCATGCAGGATGACATCTTCATTCTCCATGAGCAAGAG
TATGACAGTTTGTGAGTCCGTCTTTAAACAGAGTTCTGAGCCTTTTAAACAAAGCGATATGAGGAAA
AAACCCAGAAGCAACTACCTCTGAAATTCAGCAATACCCTTGAAGTGAAGTTGAAAAAGGAGAACTGGGG
TCCCTGGAGTGTGGGGGCTCCCGGCAAGTGCAGTTCTACCAAGGCTTCGGTGACCTGGCCATCCTCAAG
CCCAGCAACAAAGTGCTGCAGGTGAGCATTGGACCTGGGCTGCCAAGAACGCCCGTCCCACCAGAAGAA
ACACTGTCTCAAGCAGAGGGTATTCTGGTGAACTAACAACAATTACCGATGAGAGCCGCCCTGCTCC
CCCAGGATGCCATCGAAATGGCCTCACCAGAAACAGTTTGTGCATCTCCCGTGCCTCTGGAAACCAG
AGGTCCAATCAGAAAAGCCTATACACCTCTATGGCCCGCCACCTTGCCAAGGCAACAGTCCACAGGCT
CAGACCGATTGTCTCAGACACCGGAGAGCCTGGATTTCCTCAAGGTCCCGGACCAGGGTGCTGTGGAGT
CCGAAGACAAACGACCGCCGGCTCCCCAGCAGGCGGACAGCAAAAGCCTCAGCCCAAGCCTAAGCCT
CAGGTGCCGAGTGCAAGGCTCTGTATGCCTACGATGCTCAGGACACAGACGAAGTCAAGTTCAATGCCA
ATGACGTATCGATATTATTAAGGAAGATCCTTCTGGCTGGTGGACGGGTAGACTACGAGGCAAGCAGGG
CCTGTTTCCTAACAACTATGTACCAAGATCTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-RsrII

ACCN:

NM_173101

Insert Size:

3324 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_173101.1, NP_775124.1

RefSeq Size: 4257 bp

RefSeq ORF: 3324 bp

Locus ID: 25484

UniProt ID: Q63356

Cytogenetics: 8q24

Gene Summary: member of the myosin I family; may function through cell-cell contact in F-actin-rich structures [RGD, Feb 2006]