

Product datasheet for RN214762

Myo16 (NM_138893) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myo16 (NM_138893) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Myo16
Synonyms:	Myr8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN214762 representing NM_138893 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAATTGACCAGTGCTTGGAGTCCCTCCCCTGGGCCAGCGGCAGCGTCTGGTGAGGCGCATGC
GCTGTGAGCAAATCAAAGCCTACTATGAGCGAGAGAAAGTGTCCAGAAGCAGGAAGGGCTCTGAAGAG
AATTAAGCCTGGGAAAAGCCAGAAGTCCGCTTCGGCCTGGCTGACATGATTCAGGATGCCATTATCCAC
CACCACGACAAAGAGGTGCTTCAACTCTTGAAGGAGGGGGCCGCCACACACTTGTTCCTCAGGAG
GGTCTTTACTTACCTGTGTGCTCGCTATGACAATGTCTTCATCGCAGAAGTCTCATTGACAGGGGTGT
CAATGTCAACCACCAGGATGAGGACTTTTGGGCCCAATGCACATTGCCTGTGCCTGTGACAACCTGAC
ATTGTCCTGTTGCTCATATTAGCTGGAGCCAACGTCTTCTGCAAGATGTGAATGGAAATATCCCCTTAG
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TCAGGTGGAGATGTCAACGAGAAAAATGATGACGGGGTGACCCTGCTGCACATGGCGTGTGCCAGTGGCT
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CCCCACCTTGTAAGTCAATGGGGAGAAACCATCAGACATCGTCCCTGAGTCTATTGAGGAGATGC
TGCTGAAAGCAGAGATTGCCTGGGAGGAGAGAATGAAAGAGTCCCGTCTGTTCCCTAGCTTAGCACAGGA
GGAGCTGTATGAGGAGATCCTTACGACCTCCCGAGCTTTCCAGTAAGCTCAGTCTCTGGTGCTACCA
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AGGAATCCAGGATGGCCCTCCTGAGACCAGCATGGTGAGCAGCTCCAGCAAGCCAGAACAGGTCCAGCT
CACGCCTCAGCTCCAGTGATGACCTGGCCACACTCAGCAGCTGAATGACAGCAGCCTGCTCTATGAA
ATCCAGAAGCGTTCGGGAATGACCAGATACACACCTTCATCGGAGACATCTTTTGTCTGTTAACCTT
TCAAAGAACTCCCAATTTACTCCACTGTGGTGTCCAAATGTACCTGAGCCCCACAGGCCAGCGCAGCCC
CTCACTGCCACCCACCTTCTCCTGTGCAGAGAGAGCCTTCCACAGGCTGTTCCAGGAGCGAAGGCCA



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CAGAACATCATCCTCAGTGGAGAAAAGAGTTTCGGGGAAGACCCAGGCCAGCAAGCAAATCATGAAGCACC
 TTACCAGCAGGGCCAGCTCCAGCTGTACCATGTTTGACTCCAGATTCAAGCATGCCATATGCATCTTGGA
 GGCCTTCGGACATGCCAAGACCACACTCAACAAGTATCCAGTTGCCTCATACAGTACTGGGAAGTCAG
 TTCTGTGACAGGAGAAAAACGTAAGTGGAGCCAGAAATTCCTTACATGCTGGAGAAGCCAGGCTTG
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 TCAGAGAATGAGCATCAAGCAGCAAGAGGTTACATCCATCAAGAGCTTCTTACAGAGCACAGAGGACATG
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 CACCACGGAAACAGCCTCCACCAAGCCAAAGAGGGACCCCAACACCCCGCTGAGTGCCTCCTATGAGGC
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 GATGATTACAGTACCATGAAGAAAATCCCCCTCGGAAGCCAAAGAGAAGTCCCCACACGAAGCTCAGTG
 GCTTTATGAGGAGATCTGGGACCGAGGCTTCTGGTACAATGGGCCAGGTGGGCAAACATCATGCCCC
 AGGGACACTGGGTGTGCAAGTGGCCAGTCTGACTCCATGCCACAGTGCACACCCAGCTGCCTCTGCAC
 CTGCCATTGCCACAGGGTGACTATGACGATGACGCGAGCCTGTGTATATCGAGATGGTAGGGAACGCAG
 CCAGGGCAGGCGATCTGAGACTGACAGCCCTGACCAGGGCGAGTCTGTGTATGAGGAGATGAAGTACGT
 CTTGCCTGAGGAGGGCTGTGGTCCAGGGATGCTCACCTTCTGCCTGCCTCGCCACCTCTGTTTTAGAG
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 CCCCACCTTCCCGAATCTGCTTCCCCATAGGCCCGCGCTCCTGGTCTTCTCCACCCAGTACCTG
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 CTCAGTACCCAGTGCAGTCCGAAGGCTCCAGTCCCTTGTACCACAGTACTCAAAGCACAGAAGGGAG
 AAAATGACCAGTGCAGTCTCCTGGCTTCTGTGTTTAAATGGGCCAGCCGAATCTCACCACCTGCCAC
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 GGTCCCTGCAGCCCTTTGTCAAGGCTCCATATTCACCCGAAGGACAGCCAGAGCAGACCTCAGGAAGG

CCTCATCCACCTTCTCCCCACCGAGCCCTTACAGCCCACCCAACAGCAGGCCGCTGTCCAGCCCTCTGGA
 TGAGCTGGCCAGCCTCTTCAACTCGGGAAGGAGTGTGCTACGCAGGTCTGCAGTGGGACGAAGGATCAGG
 GAGGCTGAAGTTTTGAAACTAACATGAACCTGAGTAGCCGGATGAACCCAGCTCATCAGAAATGGCTT
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 GGCTGAAAATGAAAATCCTGTACCAACGGTTTAGCTGAGGACGATGGGTGCTCAAGGCTGTGTCTGAGT
 GGCATGGGGACTTCATCATTTTCAGAGACATCGGGAGAGCCACACCACCCAGGTTATCCATCAGTGAGGC
 TCTCCGAGAATGAAAGCGTAGCTCTTCAGGAGCTGCTGGACTGGAGGAGGAAGCTCTGTGAGTCCAGAGA
 AGGCTGGCAGGAAGCCATGCAGCACCCAGAGCCCGCGCACCTCCACCGCCACCCTGCAAGAAGCCGACA
 CTCTAAAGAAGCCGGAGGGGGCTCTGCACTAGGCTGTCTTCCAACTCTGGGACAGTAGTATCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_138893
- Insert Size:** 5739 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_138893.1](#), [NP_620248.1](#)
- RefSeq Size:** 6843 bp
- RefSeq ORF:** 5739 bp
- Locus ID:** 192253
- UniProt ID:** [Q9ERC1](#)
- Cytogenetics:** 16q12.5
- Gene Summary:** expressed at high levels in the developing nervous system; may function to target protein phosphatase catalytic subunits to select actin pools [RGD, Feb 2006]