

Product datasheet for **MC204093**

Myoz1 (NM_021508) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myoz1 (NM_021508) Mouse Untagged Clone
Tag: Tag Free
Symbol: Myoz1
Synonyms: 2310001N11Rik; AV090278; FATZ; Myoz
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC024660
 CAATTCCTGCCACTCCACAACATTCCGTTTCTGTCTAAGAGGATTTCCAGGTTATTGGACGGTGGGGTT
 AAGAAGTTCTAGTACTGCAGAAGTCTTGACAGACACTTAGTCTCCGAAGCTGCTGGACCCCGGGGA
 GAGCCGACCACCAACTGAGCAGCTGGTCAGATCCACCTCCACCATGCCACTCTCAGGAACCCCGGCCCT
 AACAAAGAGGAGGAAGTCAAGCAAAGTATTGAGCTCACTGGAGGTGGCCGGGAGAGCTCAGGCCTGA
 ACCTGGGCAAGAAGATCAGTGTCCCAAGGGATGTGATGTTGGAGGAGCTGTCCCTTCTTACCAACCGAGG
 CTCCAAGATGTTCAAGCTACGGCAGATGCGGGTGGAGAAATTTATCTATGAGAATCACCCCGATGTTTT
 TCTGACAGCTCAATGGATCACTTCCAGAAGTTTCTTCCACAGTGGGAGGACAGCTGGAGACAGCTGGTC
 AGGGCTTCTCATATGGCAAGGGCAGCAGTGGAGGCCAGGCTGGCAGCAGTGGCTCTGCTGGACAGTATGG
 CTCTGACCGTCATCAGCAGGGCTCTGGGTTTGGAGCTGGGGTTCAGGTGGTCTGGGGGCCAGGCTGGT
 GGAGGAGGAGCTCCTGGCACAGTAGGGCTTGGAGAGCCCGGATCAGGTGACCAGGCAGGTGGAGATGGAA
 AACATGTCACTGTGTTCAAGACTTATATTTCCCATGGGATCGGGCCATGGGGTTGATCCTCAGCAAAA
 AGTGGAATTGGCATTGACCTACTGGCATAACGGTGCCAAAGCTGAACTCCCAAAATAAAGTCTTCAAC
 AGGACAGCAATGCCCTACGGTGGATATGAGAAGGCCTCCAAACGCATGACCTTCCAGATGCCAAGTTTG
 ACCTGGGGCCTCTGCTGAGTGAACCCCTGGTCCTTACAACAGAACCTTCCAACAGGCCTTCTTTCAA
 TCGAACCCCTATCCCTGGTTGAGCTCTGGGGAGCATGTAGACTACAACGTGGATGTTGGTATCCCTTG
 GATGGAGAGACAGAGGAGCTGTGAAGTGCCTCCTCTGTCATGTGCATCATTTCCCTTCTGTTCCAA
 TTTGAGAGTGGATGCTGGACAGGATGCCCAACTGTTAATCCAGTATTCTGTGGCAATGGAGGGTAAAG
 GGTGGGGTCCGTTGCCTTTCCACCCTTCAAGTTCCTGCTCCGAAGCATCCCTCCTCACCAGCTCAGAGCT
 CCCATCCTGCTGTACCATATGGAATCTGCTCTTTTATGGAATTTCTCTGCCACCCGTAACAGTCAATAA
 ACTTCAAGGAAATGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_021508
Insert Size: 891 bp



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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:	BC024660 , AAH24660
RefSeq Size:	1365 bp
RefSeq ORF:	891 bp
Locus ID:	59011
UniProt ID:	Q9JK37
Cytogenetics:	14 A3
Gene Summary:	Myozenins may serve as intracellular binding proteins involved in linking Z-disk proteins such as alpha-actinin, gamma-filamin, TCAP/telethonin, LDB3/ZASP and localizing calcineurin signaling to the sarcomere. Plays an important role in the modulation of calcineurin signaling. May play a role in myofibrillogenesis.[UniProtKB/Swiss-Prot Function]