

## Product datasheet for **MC201855**

### Myoz2 (NM\_021503) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Myoz2 (NM_021503) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Myoz2
Synonyms:	1110012I24Rik; Fatz-2; Myozl2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC024360 sequence for NM_021503 ATCGAGGGACCATGCCGTTCCAGGTTCAAGGATAAAAACCCATTGGGCCCAAGTGCCGTCATATTCCACCT TCAGTGCCTTCCACCAATTGGGATTCACCCCTGCTGAAAAGCGCAGCCTGACAGCAAGGGAACAAAA ACTATGCTATCACATAGCGCCATGGTGAAGCAAAGGAAACAGCAAGCATCAGCCATCACGAAGGAAATCC ATGGACATGATGTTGACGGCATGGACCTGGGCAAAAAAGTTAGCATCCCCAGAGACATCATGATAGAAGA ATTGTCCCATTTTCAGTAATCGTGGGGCCAGGCTGTTAAGATGCGTCAAAGAAGATCTGACAAATACACC TTTGAAAATTTCCAGTATGAATCTAGAGCACAAATAAATCACAATATCGCCATGCAGAATGGGAGAGTTG ATGGAAGCAACCTGGAAGGTGGCTCACAGCAAGGCCCTCAACTCCGCCAACACCCCCGATCCACGAAG CCCCCAAATCCAGAGAACATCGCACCAGGATATTCTGGACCACTGAAGGAAATTCCTCCTGAAAGGTTT AACACGACGGCCGTTCTAAGTACTACCGGTCTCCATGGGAGCAGGCGATTGGCAGCGATCCGGAGCTCC TGGAGGCTTTGTACCCAAAATTTTCAAGCCTGAAGGAAAAGCAGAACTGCGGGATTACAGGAGCTTTAA CAGGGTTGCCACTCCATTTGGAGTTTTGAAAAAGCATCAAAAATGGTCAAATTCAAAGTTCAGATTTT GAACTACTGCTGCTGACAGATCCAGGTTCTTGGCCTTTGCCAATCCTCTTTTCGGGCAGACGATGCTTTA ACAGGGGCGCCAAAGGGTGGGTATCTGAGAATATCCCCGTCGTGATCACAACTGAGCCTACAGAAGACGC CACTGTACCGGAATCAGATGACCTGTGAGAGGGAAGCTGGGGATGCCACAGGAAGTTCTGCACATAGAAG CTGCTGTTGGTCTGCTTAGGGCAAAGCCATTGGAGTTGCTCACTACTAAAGTCACTCAATAGCAGTTAAG TACATTTTCATCTTATGGCACTTAATTTGAAGTGGACAATTAATTTCTATTTTAAAAACTTTTAAAAAAA AAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_021503
Insert Size:	795 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).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC024360</a> , <a href="#">AAH24360</a>
<b>RefSeq Size:</b>	1131 bp
<b>RefSeq ORF:</b>	795 bp
<b>Locus ID:</b>	59006
<b>UniProt ID:</b>	<a href="#">Q9JJW5</a>
<b>Cytogenetics:</b>	3 G1
<b>Gene Summary:</b>	Myozenins may serve as intracellular binding proteins involved in linking Z line 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]