

## Product datasheet for **SC215582**

### Myozenin 2 (MYOZ2) (NM\_016599) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Myozenin 2 (MYOZ2) (NM_016599) Human 3' UTR Clone
Symbol:	Myozenin 2
Synonyms:	C4orf5; CMH16; CS-1; FATZ-2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_016599
Insert Size:	1619 bp



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**Insert Sequence:** >SC215582 3'UTR clone of NM\_016599  
 The sequence shown below is from the reference sequence of NM\_016599. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
ACCACTGTACCAGAATCAGAAGACCTATGAAAAGAAAGTTGTATGTGCCACATAAACTCTGAATATAA
AAGTTGCTGTTCTACTATTTTAACTACTGGCAAAGCCACTTGCATTTTTTCATTAGTAGCAACAATAGCA
ATTTAGTGATTTTCTTTTCTGACATTCATTTCAATCTCAGATCAAATACTAATAAACAATTAGAAAT
CTTACTTTAAAAAATTATAACTCACTTGTCTTCATTCATAATTTTGTTCACCTGGTTTAAAGAATC
CAGATATTTTACTGCAAAAGTTCAGATGGAAAAGTAATTGACAGTTTCACCTTTGTCTCATTATATG
ATTTATTACAGTGAAGTTTTTCAAGTGAATCTAGAATCAAAATACAGGGAGAGATATGAAGACCTAT
TCAGAGTTTCATCTGGGGATGAAAGCTATGGAAGATGATGTACAAATGTTATTGATGGAGAAAATGGTT
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AGAATTCTAAAGTGCTTTGCACCTTTCAATATGTTTTGAATCATTAGGTAATTTATTCTGGATGATATT
CTCCAAAATTCATTCAGTTATTATATTCAATTTAGCATTAAAGTCAAGGAGACTGAGAATGACTCAAGGG
ACGTCATAGTACCATAGTTTTAAGGACCAAGGTGTGCCCAGAATTCAGTTTACAAAATCCCAATGCTG
TGCATTGATTATGTTCAACTTTATGTGTGCATTCTAGAAGAGTAAGAACAAATAAAGTACACCGTAAT
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GCTAAATCTTTAAATTCTGTTAAGATCCTCAAGTAACTGGGGAGTACATGCTTTAGGACACAAAACAAA
ACAAAGGGCATGAAAGTATCTGAAAGCAATGTAGCACATATCTATCGTAATATATGTAATATATTGACA
TAAAAGACACAAAATAATAAAGTTATAGTTATCTTAAAAATAAATTGAAGAAGCATATGACATAT
AACTTATAGAAATCAGTATCAATTCCTCCATTTCAATTCAGTTAAGACTTCTGTGATAGATGTTTATA
GCAGAGAAGAAATGTCTCATCAATAGAAAATATCAGATAAAGTTTAGGAGATAGGAAGAAGGACTGTG
TGTAAGTAATGAAAATACCAAGTTGCAACATTACATGTTTACAAAAAAAATCTGTGTTTGTAGTGTGGA
AGTTGGTGACTGTTTTAATCATCATCTAGACTTGTAAAGTAGAAAAATTTAAAAATTTGCTTATGAAA
ATATAACCCCGAGAAAGTAAACAATGACAAAGTATTATATTTATATATATTATTGTAGAGAATTTGTATA
TTTTTAAAGATGTCTTAAGATATCTTAATTTTATTTATAAGTTTTGGTGTTCACCTGTTTTAAATGAT
AATGTTGGCATCTGTGATAAACTATCAATGAGGCTCCCATCATGCCATTTTTTGTTCATTTAATCTTT
AAAAAATAAAAAATTAGGCATATTAATTATGCA
ACGCGTAAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_016599.5](#)

**Summary:** The protein encoded by this gene belongs to a family of sarcomeric proteins that bind to calcineurin, a phosphatase involved in calcium-dependent signal transduction in diverse cell types. These family members tether calcineurin to alpha-actinin at the z-line of the sarcomere of cardiac and skeletal muscle cells, and thus they are important for calcineurin signaling. Mutations in this gene cause cardiomyopathy familial hypertrophic type 16, a hereditary heart disorder. [provided by RefSeq, Aug 2011]

**Locus ID:** 51778

**MW:** 63.1