

Product datasheet for **SC332329**

MYPN (NM_001256267) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MYPN (NM_001256267) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYPN
Synonyms:	CMD1DD; CMH22; MYOP; NEM11; RCM4
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC332329 representing NM_001256267. Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGCAAGACGACAGCATAGAAGCTTCTACTTCCATATCTCAGCTTCTAAGAGAGAGCTATTTAGCTGAA
ACCAGACATCGGGGAAACAATGAGAGGAGTCGAGCGGAGCCCTCCTCAACCTTGCCATTTGCGCAGT
CCTTCTGGGGCCGCTGAAGGAGGCGGAGGCCAAGATGACCTTCCAGATCTTTCAGCCTTTCTGAGCCAA
GAAGAATTAGACGAAAGTGTCAATTTGGCAAGACTGGCCATCAATTACGACCTTTGGAGAAGGCAGAT
GAAACTCAAGCTAGAAAACGACTTTCCTGATCAGATGAAACACTCACCTAATTTAAGTTTGTAGCCT
AACTTCTGCCAGGATAACCTCGAAGTCCACCCAGCTCTAAAGAAAGCCCCAGGAGGCAAAAAGGCCA
CAGTATTGTTCTGAAACCCAGTCCAAAAAGTATTTTTAAATAAGGCTGCGGACTTCATTGAAGAGCTA
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CTGGAATCTCAAAACAAAGTTATGCAGGAAAACAGCTCCAGTTTCTCAGATCTGTGAGAAAGACGAGAA
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CAGGAAGCCAAGAGGCGTGAAGCGGAGCAGGCTGCCAGTGAGGCGGCTGGTGGAGACACTACCCAGGG
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GCAGTCATTCTCCAGCAGTACCCCAAGCCAGCATTTGGTGGCCCAACCTCGTGTGGCAACCATCCAG
CAGTGTGAGAGCCCCACCAATTACTTGCAGGGATTGGATGGAAAACCTATCATTGCAGCTCCTGTGTTT
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TTACAGAAAAAACCTCGATCCATGGCAGAGCCAGAGGAGATTTGCACCTTGGTCATTGCTGAGGTGTTT
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CACTTCAACCTGCCTGAAGATGACAAAGGAAGTGAAGCATCTCCGAGGCTGGTGTGGTGACCAACAGA
CAGACCAGGCCGATTCTTCCAGGAGAGGTTCAACGGACAGGCAACAAAAACCCAGAGCCTTCTTCC



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CCCGTGAAAGAGCCCCCTCCAGTTCTGGCCAAACCCAACTTGATTCCACTCAGTTACAACAGCTTCAT
AACCAAGTCTTACTGGAACAACCAATTGCAAAACCCACCTCCTTCATCTCCTAAGGAGTTTCCTTTC
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GCTCCCATCTTTGACAAGAGACTCAAGCACTTCCGGGTCACAGAAGGCTCTCCAGTCACATTCACCTGC
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AGTATGCACCAGGACACAACAGGGTATGCCTGCCTTCTCATTAGCCAGCCAAGAAATCAGACGCTGGA
TGGTACACGTTGTCAGCCAAGAATGAAGCCGGCATCGTGTGTCGACTGCCAGGCTGGATATACGCT
CAGTGGCACCATCAGATCCCACCGCCATGTCTGTCCGGCCAGTGGCAGTCGCTACGGATCTCTCACC
AGTAAAGGACTTGACATATTTCTGCCTTTTCTCCATGGAAAGCACGATGGTGTATTATGCTCTTCT
CGGAGTGTAGTGAGAGTGATGAACTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001256267
Insert Size:	3963 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_001256267.1](#)

RefSeq Size: 5725 bp

RefSeq ORF: 3963 bp

Locus ID: 84665

UniProt ID: [Q86TC9](#)

Cytogenetics: 10q21.3

MW: 145.3 kDa

Gene Summary: Striated muscle in vertebrates comprises large proteins which must be organized properly to contract efficiently. Z-lines in striated muscle are a sign of this organization, representing the ends of actin thin filaments, titin, nebulin or nebulin and accessory proteins required for structure and function. This gene encodes a protein which interacts with nebulin in skeletal muscle or nebulin in cardiac muscle and alpha-actinin. In addition, this gene product can interact with a protein with the I-band indicating it has a regulatory as well as structural function. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2011]

Transcript Variant: This variant (4) differs in the 5' UTR, compared to variant 1. Both variants 1 and 4 encode isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.