

Product datasheet for **SC337786**

MYPN (NM_001256268) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MYPN (NM_001256268) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYPN
Synonyms:	CMD1DD; CMH22; MYOP; NEM11; RCM4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001256268, the custom clone sequence may differ by one or more nucleotides

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ATGTTTCCACTCTCATTTTGGTGGTACTGTGAAGGCAAGGAGCTTGAAAATCCCCAGATATTCACATCG
TCCAGGCAGGAAATCTGCACTCACTGACCATTGCGGAAGCCTTTGAAGAGGACACAGGACGCTATTCCTG
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TTTCTCCATGGAAAGCACGATGGTGTATTCTGCTCTCGGAGTGTAGTGGAGAGTGATGAACCTTA
A

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Restriction Sites: Sgfl-Mlul

ACCN:	NM_001256268
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:	<u>NM_001256268.1, NP_001243197.1</u>
RefSeq Size:	6134 bp
RefSeq ORF:	3081 bp
Locus ID:	84665
Cytogenetics:	10q21.3
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 (5) contains four additional exons in the 5' region and it thus differs in the 5' UTR and 5' coding region, compared to variant 1. The encoded isoform (b) has a distinct N-terminus and is shorter than 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.