

Product datasheet for **SC126280**

Myogenin (MYOG) (NM_002479) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myogenin (MYOG) (NM_002479) Human Untagged Clone
Tag:	Tag Free
Symbol:	Myogenin
Synonyms:	bHLHc3; myf-4; MYF4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002479 edited
 AAATGGCACCCAGCAGTTGGCGTGAGGGGCTGCTGGAGCTTGGGGCTGGTGGCAGGAAC
 AAGCCCTTTCCGACCCCATGGAGCTGTATGAGACATCCCCTACTTCTACCAGGAACCC
 GCTTCTATGATGGGAAAACTACCTGCCTGTCCACCTCCAGGGCTTGAACACCAGGCT
 ACGAGCGGACGGAGCTCACCTGAGCCCCGAGGCCAGGGCCCTTGAAGACAAGGGG
 TGGGACCCCGAGCACTGTCCAGGCCAGTGCCTGCCGTGGGCGTGAAGGTGTGAAGA
 GGAAGTCGGTGTCCGTGACCGGGCGGGCCGACACTGAGGGAGAAGCGCAGGCTCA
 AGAAGGTGAATGAGGCCCTTCGAGGCCCTGAAGAGAAGCACCTGCTCAACCCCAACCAGC
 GGCTGCCCAAGGTGGAGATCCTGCGCAGTGCCATCCAGTACATCGAGCGCCTCCAGGCC
 TGCTCAGCTCCCTCAACCAGGAGGAGCGTGACCTCCGCTACCGGGGCGGGGCGGGCCCC
 AGCCAGGGGTGCCAGCGAATGCAGCTCTCACAGCGCCTCTGCAGTCCAGAGTGGGGCA
 GTGCACTGGAGTTCAGCGCAACCCAGGGGATCATCTGCTCACGGCTGACCCTACAGATG
 CCCACAACCTGCACTCCCTCACCTCCATCGTGGACAGCATCACAGTGAAGATGTGTCTG
 TGGCCTTCCAGATGAAACCATGCCAACTGAGATTGTCTTCAAGCCGGGCATCCTTGC
 GAGCCCCCAAGCTGGCCACAGATGCCACTACTTCTGTAGCAGGGCCTCCTAAGCCAGG
 CTGCCCTGATGTAGGAAGCCAGCTCTGGGGTGCCATAGGCCAGACTATCCCCTTCTCA
 TCCATGTAAGGTTAACCCACCCCCAGCAAGGGACTGGACGCCCTCATTAGCTGCCTCC
 TTAGAGGAGAGGGCATCCCCTTTCCAGGGAGGTAAGCAGGGGACCAGAGCGCCCCCTCG
 TGTATGCCCCAGCTCAGGGGGCAAACCTCAGGAGCTTCTTTTTATCATAACGCGGCTCT
 AATTCCACCCCAAGTGAACGGTTTGAGAGACGCAGTGCCTGACCTGGACAAGCTGT
 GCACGTCTCCTGTTCTGGTCTCTCCCGATGCCAGTGGCTGGGCTGGGCTGCCCTGAAT
 TGAGAGAGAAGAAGGGGAGAGGAACAGCCCTCTGTTCCCAAGTCCCTGGGGGGCCAACT
 TTTGCAGTGAATATTGGGAACCTCCAGTGGTTTTATGTTTTGTTTTGTTTCGTGTGTG
 TTTGTAAGCTGCCATCCGACCAAGGTCTCCTGTGCTGAAGTTGCCGGGACAGGCAGGG
 AAAAGGGTTGGGCTCTTGGGGTGATTTCTTTTGTAAACAAAGCATCGTGTGTTTT
 GCCATTGTTTTGTATTTTTTTTTTTTTTTTTTTTGTAACTATTTGGATTTCTTTTT
 TAAAAATGAATAAAGACTGGTTGCCAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_002479

Insert Size: 675 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	NM_002479.3 , NP_002470.2
RefSeq Size:	1530 bp
RefSeq ORF:	675 bp
Locus ID:	4656
UniProt ID:	P15173
Cytogenetics:	1q32.1
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	Myogenin is a muscle-specific transcription factor that can induce myogenesis in a variety of cell types in tissue culture. It is a member of a large family of proteins related by sequence homology, the helix-loop-helix (HLH) proteins. It is essential for the development of functional skeletal muscle. [provided by RefSeq, Jul 2008]