

Product datasheet for **SC123826**

MYF6 (NM_002469) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MYF6 (NM_002469) Human Untagged Clone
Tag: Tag Free
Symbol: MYF6
Synonyms: bHLHc4; CNM3; MRF4; myf-6
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002469 edited
AGAGGCCAAGGAGGAGAACATGATGATGGACCTTTTTGAAACTGGCTCCTATTTCTTCTA
CTTGGATGGGAAAATGTTACTCTGCAGCCATTAGAAGTGGCAGAAAGGCTCTCCTTTGTA
TCCAGGGAGTGATGGTACCTTGTCCCCCTGCCAGGACCAATGCCCCGGAAGCGGGGAG
CGACAGCAGCGGAGAGGAACATGTCCTGGCGCCCCGGGCTGCAGCCTCCACACTGCC
CGGCCAGTGTCTGATCTGGCTTGAAGACCTGCAAGAGAAAATCTGCCCCACTGACCG
GCGAAAAGCCGCCACCCTGCGCGAAAGGAGGAGGCTAAAGAAAATCAACGAGGCCTCGA
GGCACTGAAGCGGCGAACTGTGGCCAACCCCAACCAGAGGCTGCCAAGGTGGAGATTCT
GCGGAGCGCCATCAGCTATATTGAGCGGCTGCAGGACCTGCTGCACCGGCTGGATCAGCA
GGAGAAGATGCAGGAGCTGGGGTGGACCCCTCAGCTACAGACCCAAACAAGAAAATCT
TGAGGGTGCGGATTTCTGCGCACCTGCAGCTCCAGTGGCCAAGTGTTCGGATCATT
CAGGGGGCTCGTGATAACGGCTAAGGAAGGAGGCAAGTATTGATTCTGAGCCTCGAG
TAGCCTTCGATGCCTTTCTCCATCGTGACAGTATTTCTCGGAGGAACGCAAACCTCCC
CTGCGTGGAGGAAGTGGTGGAGAAGTAAGTGCAGCTGCGCTTGGACCTTCTCCACGCGAG
CAGGAAGATCCCACCGACCTTCTGGCCTAATCCTTTAGATTAGGTCACATTACATTA
CATTTAGGAACCCAGACCGAAAAGTTGCTGAAAGGGAAGGAGACACATTCACAAAGAAAC
GTTGCGAAAATGCGAAATCTGTTGTGCATGCTCAAATGAAAACGCCTTTGCGCTTTGG
CTTTTATTTTTTTGGAAGTGCAGTGGCTTAGGTCTAGCCTCATTTTGTTTTTGTTTGGT
TGGTTTTATACTATATTAACCTTTTATTACGGTGATCCTTTTGTGCCATGTTCAAAGAAG
TTCATTCCTGTCTAAAGTGGAAAAGTTGCATTTAATGTTAGGGGATTTAATGTATTTTT
GTAATAGTTTTAACACTTTCTTTTTTTACGTAAACCTGAAATATATTTTAAATGTGGAAT
GATGTATATAAATGTGCGAGGATCCTGGTATTGTAATATTAAGAAGTTTCTATACG
AAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002469 unedited CCATATTTTGTAAATACGAACTCACTATAGGGCGGCCGCGATTTCGGCCATTACGGCCGGGG AGAGGCCAAGGAGGAGAAACATGATGATGGACCTTTTGGAACTGGCTCCTATTTCTTCTA CTTGGATGGGGAAAATGTTACTCTGCAGCCATTAGAAGTGGCAGAAGGCTCTCCTTTGTA TCCAGGGAGTGATGGTACCTTGTCCTCCCTGCCAGGACCAATGCCCCGGAAGCGGGGAG CGACAGCAGCGGAGAGGAACATGTCCTGGCGCCCCGGGCTGCAGCCTCCACACTGCC CGGCCAGTGTCTGATCTGGGCTTGCAAGACCTGCAAGAGAAAATCTGCCCCCACTGACCG GCGAAAAGCCGCCACCCTGCGCGAAAGGAGGAGGCTAAAGAAAATCAACGAGGCCTTCGA GGCACTGAAGCGGCGAACTGTGGCCAACCCCAACCAGAGGCTGCCCAAGGTGGAGATTCT GCGGAGCGCCATCAGCTATATTGAGCGGCTGCAGGACCTGCTGCACCGGCTGGATCAGCA NGAGAAGATGCANGAGCTGGGGTGGACCCCTTCAGCTACAGACCCAAACAAGAAAATCT TGAGGGTGCAGTTTCTGCGCACCTGCAGCTCCAGTGGCCAAGTGTTCGATCATT CANGGGGCTCGTATAACGGCTAAGGAAGGAGGAGCAAGTATTGATTCGTCAGCCTCGAG GGCAGTCTGGCCCGAGCCCCCGGCTGGCGCCCGCCAGCCACCACCACCCGTACC CGCCTGGAGGCGCGGCTCAAGCCCACTGCATCCGACGTGCAGTGGAACCGGTGCTG GACCAGGGGGCCGGCAACCGAAAGCGCACGCGCAACCAACCCGGGAAAAAAGGGGTT CCGGAACCGGCGGCTAACCAACTGGTGGGTGCCCCAGGGCCCGGA
Restriction Sites:	Please inquire
ACCN:	NM_002469
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:	<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_002469.1 , NP_002460.1
RefSeq Size:	1294 bp
RefSeq ORF:	729 bp
Locus ID:	4618
UniProt ID:	P23409
Cytogenetics:	12q21.31
Protein Families:	Druggable Genome, Transcription Factors

Gene Summary:

The protein encoded by this gene is a probable basic helix-loop-helix (bHLH) DNA binding protein involved in muscle differentiation. The encoded protein likely acts as a heterodimer with another bHLH protein. Defects in this gene are a cause of autosomal dominant centronuclear myopathy (ADCNM). [provided by RefSeq, May 2010]