

Product datasheet for **RR204397**

Myod1 (NM_176079) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Myod1 (NM_176079) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Myod1
 Synonyms: MGC156574
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR204397 representing NM_176079
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGGAGCTACTATCGCCGCACTCCGGGACACAGACTTGCTAGGCCCGACGGCTCTCTGCTCCTTTG
 CGACACGCGATGACTTCTATGATGATCCGTGTTTCGACTCACCAGACCTGCGCTTTTTGAGGACCTGGA
 CCGCGCCTGGTGCACGTGGGAGCCCTCCTGAAGCCGGAGGAGCACGCACTTCCCACTACGGTGCAC
 CCAGGCCCAGGCGCTCGCGAGGATGAGCATGTGCGCGCGCCAGCGGGCACCACCAGGCGGGTGCCTGCT
 TGCTGTGGCCTGCAAGGCGTGAAGCGCAAGACCACTAACGCTGATCGCCGCAAGGCAGCCACCATGCC
 TGAGCGGCGCCGCTGAGCAAAGTGAACGAGGCCTTCGAGACCCTTAAGCGCTGCACGTCCAGCAACCCG
 AACCAGCGGCTACCAAGGTGGAGATCCTGCGCAACGCCATCCGCTACATTGAAGGTCTGCAGGCTCTGC
 TGCGGACCAGGACGCGCTCCCCCTGGCGCGCTGCCCTTACGCACCTGGCCCGCTGCCCCAGGCCG
 TGGCAGTGAGCACTACAGCGGCACTCAGACCGTCCAGCCCGCTCCAAGTCTGATGGCATGATG
 GATTACAGCGGCCCCAAGCGCCCCGGCGGCAGAAATGGCTACGACGCGCCTACTACAGTGAAGCGT
 CCAGCGAGCCCAGACCAGGGAAGAGTGGCGCGTGTGAGCCTCGACTGCCTGTCCAGCATAGTGGAGCG
 CATCTCCACAGACAGCCCCGCTGCGCTTCGCTGCTTTTGCCAGATGCGCCACCAGAGTGCCTCCGGGT
 CCGCCAGAGGAGACATCCTCAAGCGATGCAAGACAGGGGACCCAGACCCCGTCTCCCGACTCCACCCCTC
 AGTGTCTGCAGGCTCAAAGCCCAATCCGATTTACCAGGTGCTC

AG**GCGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA



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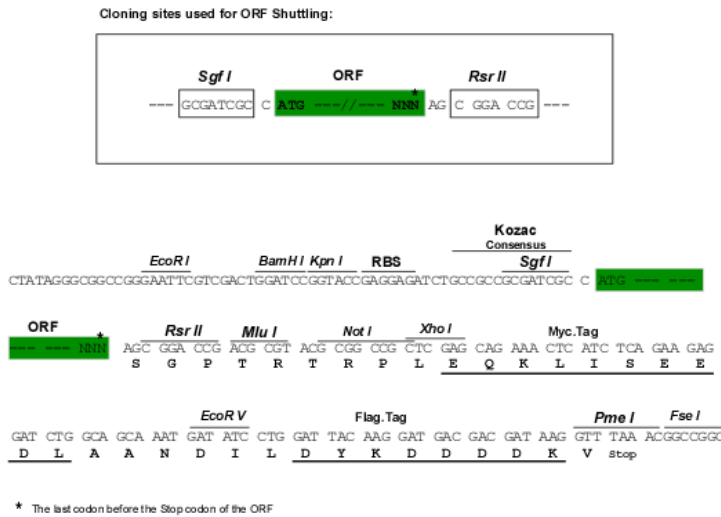
Protein Sequence: >RR204397 representing NM_176079
Red=Cloning site Green=Tags(s)

MELLSPPLRDTDLLGPDGSLCSFATRDDFYDDPCFDSPLRFFEDLDPRLVHVGALLKPEEHAHFPTTVH
 PGPGAREDEHVRAPSGHHQAGRCLLWACKACKRKTNNADRRKAATMRERRRLSKVNEAFETLKRCTSSNP
 NQRLPKVEILRNAIRYIEGLQALLRDQDAAPGAAAFYAPGPLPPGRGSEHYSGSDASSPRSNCSGMM
 DYSGPPSGPRRQNGYDAAYYSEASSEPRPGKSAAVSSLDCLSSIVERISTDSPAAPSLLLPDAPPESPPG
 PPEETSSDAEQGTQTPSPDSTPQCPCAGSKPNPIYQVL

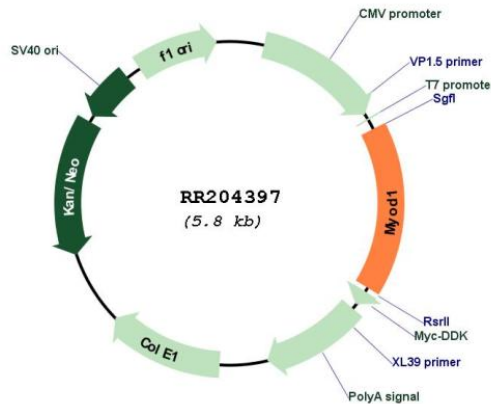
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN: NM_176079

ORF Size: 954 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_176079.1 , NP_788268.1
RefSeq Size:	1947 bp
RefSeq ORF:	957 bp
Locus ID:	337868
UniProt ID:	Q02346
Cytogenetics:	1q22
MW:	34.4 kDa
Gene Summary:	transcription factor; involved in muscle cell differentiation [RGD, Feb 2006]