

Product datasheet for **MG225481**

Myf5 (NM_008656) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myf5 (NM_008656) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Myf5
Synonyms: B130010J22Rik; bHLHc2; Myf-5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG225481 representing NM_008656
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACATGACGGACGGCTGCCAGTTCTCCCTTCTGAGTACTTCTATGAAGGCTCCTGTATCCCCTCAC
 CAGAGGATGAGTTTGGGGACCAGTTTGAGCCAAGAGTAGCAGCCTTCGGAGCACACAAAGCTGAGCTGCA
 GGGCTCAGACGATGAGGAGCACGTGCGTGACCTACCGGCCACCACCAGGCTGGCCACTGCCTCATGTGG
 GCCTGCAAAGCTTGAAGAGGAAGTCCACTACCATGGATCGCGCAAGGCCGCCACCATGCGCGAGCGTA
 GACGCCTGAAGAAGGTCAACCAAGCTTTCGAGACGCTCAAGAGGTGCACCACCACCAACCCTAACAGAG
 ACTCCCCAAGGTGGAGATCCTCAGGAATGCCATCCGCTACATTGAGAGCCTCCAGGAGCTGCTGAGGGAA
 CAGGTGGAGAACTATTACAGCCTGCCGGGACAGAGCTGCTCTGAGCCCACCAGCCCCACCTCCAAGTCT
 CTGACGGCATGCCTGAATGTAACAGCCCTGTCTGGTCCCAGAAAGAACAGCAGCTTTGACAGCATCTACTG
 TCCTGATGTATCAAATGCATGTGCTGCAGATAAAAGCTCCGTGTCCAGCTTGGATTGCTTGTCCAGCATT
 GTGGATCGGATCACGTCTACAGAGCCATCCGAGCTGGCTCTTCAGGACACAGCTTCCCTCTCTCCAGCGA
 CCAGCGCAACTCACAGCCTGCTACCCCGGACCTCCAGCTCCAGACTTATCTATCACGTATTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG225481 representing NM_008656
Red=Cloning site Green=Tags(s)

MDMTDGCQFSPSEYFYEGSCIPSPEDFGDQFEP RVAAFGAHKAE LQGSDD EHVRAPTGHHQAGHCLMW
 ACKACKRKSTTMDRRKAATMRERRRLKKNQAFETLKRCTTTNPNQRLPKVEILRNAIRYIESLQELLRE
 QVENYYSLPGQSCSEPTSPNSDCSDGMPECNSPVWSRKNSFDSIYCPDVSNACAADKSSVSSLDCLSSI
 VDRITSTEPSELALQDTASLSPATSANSQPATPGPSSSRLIYHVL

TRTRPLE - GFP Tag - V

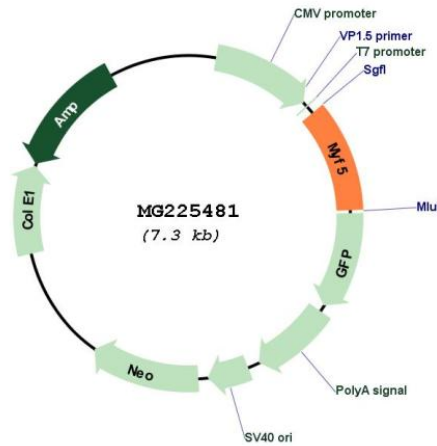
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_008656

ORF Size: 765 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_008656.5 , NP_032682.1
RefSeq Size:	2083 bp
RefSeq ORF:	768 bp
Locus ID:	17877
UniProt ID:	P24699
Cytogenetics:	10 55.95 cM
Gene Summary:	Acts as a transcriptional activator that promotes transcription of muscle-specific target genes and plays a role in muscle differentiation. Together with MYOG and MYOD1, co-occupies muscle-specific gene promoter core region during myogenesis. Induces fibroblasts to differentiate into myoblasts. Probable sequence specific DNA-binding protein. [UniProtKB/Swiss-Prot Function]