

Product datasheet for **MG222107**

Myf6 (NM_008657) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myf6 (NM_008657) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Myf6
Synonyms:	bHLHc4; herculin; MRF4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222107 representing NM_008657 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGATGGACCTTTTTGAACTGGCTCCTATTTCTTCTACTTAGATGGAGAAAATGTGACTCTTCAGC
CATTAGAAGTGGCAGAGGGCTCTCCTTTGTATCCAGGGAGTGATGGTACCCTATCCCCTTCCAGGACCA
AATGCCCCAGGAAGCCGGGAGCGACAGCAGTGGAGAGGAACACGTTCTGGCTCCCCAGGCCTGCAGCCT
CCCCACTGCCCTGGCCAGTGTCTGATCTGGGCTTGCAAGACTTGAAGAGAAAATCTGCCCCACAGATC
GTCGAAAAGCAGTACCCTGCGCAAAGGAGGAGACTAAAGAAAATCAACGAAGCCTTTGAGGCCCTGAA
GGTTCGGACTGTGGCCAACCCCAACCAGAGACTGCCAAGGTGGAGATTCTGCGGAGTGCCATCAGCTAC
ATTGAGCGTCTACAGGACCTGCTGCACCGCTGGATCAGCAAGAGAAGATGCAGGAGCTGGGCGTGGACC
CCTACAGCTACAAACCAAGCAAGAAATTTCTGAGGGTTCGGATTTCTGCGCACCTGCAGCCCCAGTG
GCCAAGTGTTCGGATCATTCCAGGGCCCTCGTGATAACTGCTAAGGAAGGAGGACAAACGTGGATGCC
TCAGCCTCCAGCAGTCTTCAGCGCCTTTCTCCATCGTGGACAGTATTTCTTCAGAGGAACGCAAACCTCC
CCAGCGTGGAGGAGGTGGTGGAGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222107 representing NM_008657
 Red=Cloning site Green=Tags(s)

MMMDLFETGSYFFYLDGENVTLQPLEVAEGSPLYPGSDGTLSPCQDQMPQEAGSDSSGEEHVLAPPGLQP
 PHCPGQCLIWACKTCKRKSAPTDRRKAATLRERRRLKKINEAFEALKRRTVANPNQRLPKVEILRS AISY
 IERLQDLLHRLDQQEKMQELGVDPPYSYKPKQEILEGADFLRTCSPQWPSVSDHSRGLVITAKEGGANVDA
 SASSLQRLSSIVDSISSEERKLPSVEEVVEK

TRTRPLE - GFP Tag - V

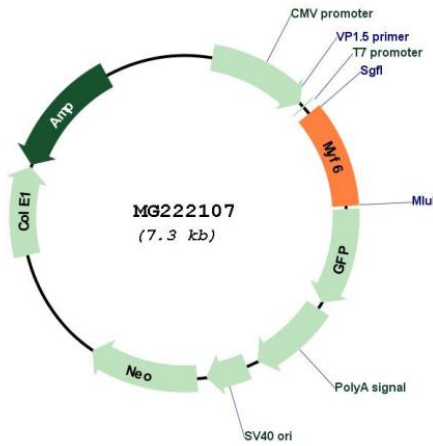
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_008657

ORF Size: 726 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_008657.3
RefSeq Size:	1248 bp
RefSeq ORF:	729 bp
Locus ID:	17878
UniProt ID:	P15375
Cytogenetics:	10 55.96 cM
Gene Summary:	Involved in muscle differentiation (myogenic factor). Induces fibroblasts to differentiate into myoblasts. Probable sequence specific DNA-binding protein.[UniProtKB/Swiss-Prot Function]