

Product datasheet for **RG210267**

MURF1 (TRIM63) (NM_032588) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MURF1 (TRIM63) (NM_032588) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRIM63
Synonyms:	IRF; MURF1; MURF2; RNF28; SMRZ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG210267 representing NM_032588 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATTATAAGTCGAGCCTGATCCAGGATGGGAATCCCATGGAGAACTGGAGAAGCAGCTGATCTGCC
CTATCTGCCTGGAGATGTTTACCAAGCCAGTGGTCATCTTGCCGTGCCAGCACAACTGTGCCGGAAGTG
TGCCAATGACATCTTCCAGGCTGCAAAATCCCTACTGGACCAGCCGGGGCAGCTCAGTGTCCATGTCTGGA
GGCCGTTTCCGCTGCCACCTGCCGCCACGAGGTGATCATGGATCGTCACGGAGTGTACGGCCTGCAGA
GGAACCTGCTGGTGGAGAACATCATCGACATCTACAAACAGGAGTGTCCAGTCGGCCGCTGCAGAAAGG
CAGTCACCCCATGTGCAAGGAGCACGAAGATGAGAAAATCAACATCTACTGTCTCACGTGTGAGGTGCC
ACCTGCTCCATGTGCAAGGTGTTTGGGATCCACAAGGCCTGCGAGGTGGCCCCATTGCAGAGTGTCTTCC
AGGGACAAAAGACTGAACTGAATAACTGTATCTCCATGCTGGTGGCGGGGAATGACCGTGTGCAGACCAT
CATCACTCAGCTGGAGGATCCCGTCGAGTGACCAAGGAGAACAGTCACCAGGTAAGGAAGAGCTGAGC
CAGAAGTTTGACACGTTGTATGCCATCCTGGATGAGAAGAAAAGTGAGTTGCTGCAGCGGATCACGCAGG
AGCAGGAGAAAAAGCTTAGCTTCATCGAGGCCCTCATCCAGCAGTACCAGGAGCAGCTGGACAAGTCCAC
AAAGCTGGTGGAACTGCCATCCAGTCCCTGGACGAGCCTGGGGGAGCCACCTTCTCTTGACTGCCAAG
CAACTCATCAAAGCATTGTGGAAGCTTCCAAGGGCTGCCAGCTGGGGAAGACAGAGCAGGGCTTTGAGA
ACATGGACTTCTTACTTTGGATTTAGAGCACATAGCAGACCCCTGAGAGCCATTGACTTTGGGACAGA
TGAGGAAGAGGAAGAATTATTGAAGAAGAAGATCAGGAAGAGGAAGAGTCCACAGAAGGAAGGAAGAA
GGACACCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG210267 representing NM_032588
 Red=Cloning site Green=Tags(s)

MDYKSSLIQDGNPMENLEKQLICPICLEMFTKPVVILPCQHNLCRKCANDIFQAANPYWTSRGSVSMMSG
 GRFRCPTRHEVIMDRHGVYGLQRNLLVENIIDIYKQECSSRPLQKGSHPMCKEHEDEKINIYCLTCEVP
 TCSMCKVFGIHKACEVAPLQSVFQGGKTELNNCISMLVAGNDRVQTIITQLEDSRRVTKENSHQVKEELS
 QKFDTLYAILDEKKSELLQRITQEQEKKLSFIEALIQQYQEQLDKSTKL VETAIQSLDEPGGATFLLTAK
 QLIKSIVEASKGCQLGKTEQGFENMDFFLDLEHIADALRAIDFGTDEEEEFIEEEDQEEEEESTEGKEE
 GHQ

TRTRPLE - GFP Tag - V

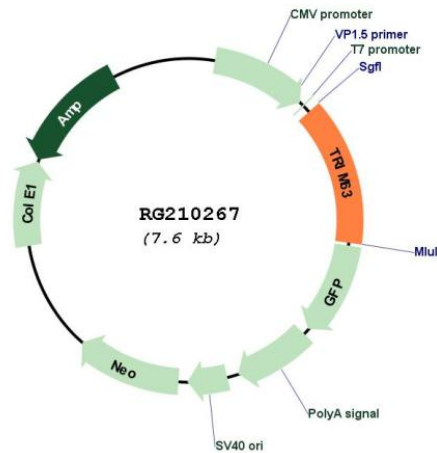
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_032588

ORF Size:	1059 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_032588.4
RefSeq Size:	1764 bp
RefSeq ORF:	1062 bp
Locus ID:	84676
UniProt ID:	Q969Q1
Cytogenetics:	1p36.11
Domains:	zf-B_box, RING
Gene Summary:	This gene encodes a member of the RING zinc finger protein family found in striated muscle and iris. The product of this gene is an E3 ubiquitin ligase that localizes to the Z-line and M-line lattices of myofibrils. This protein plays an important role in the atrophy of skeletal and cardiac muscle and is required for the degradation of myosin heavy chain proteins, myosin light chain, myosin binding protein, and for muscle-type creatine kinase. [provided by RefSeq, Feb 2012]