

Product datasheet for RC210267

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:	Myc-DDK
Symbol:	MURF1
Synonyms:	IRF; MURF1; MURF2; RNF28; SMRZ
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC210267 representing NM_032588 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGATTATAAGTCGAGCCTGATCCAGGATGGGAATCCCATGGAGAACTGGAGAAGCAGCTGATCTGCC
CTATCTGCCTGGAGATGTTTACCAAGCCAGTGGTCATCTTGCCGTGCCAGCACAACTGTGCCGGAAGTG
TGCCAATGACATCTTCCAGGCTGCAAATCCCTACTGGACCAGCCGGGCAGCTCAGTGTCCATGTCTGGA
GGCCGTTTCCGCTGCCACCTGCCGCCACGAGGTGATCATGGATCGTCACGGAGTGTACGGCCTGCAGA
GGAACCTGCTGGTGGAGAACATCATCGACATCTACAAACAGGAGTGTCCAGTCGGCCGCTGCAGAAAGG
CAGTCACCCCATGTGCAAGGAGCACGAAGATGAGAAAATCAACATCTACTGTCTCACGTGTGAGGTGCC
ACCTGCTCCATGTGCAAGGTGTTTGGGATCCACAAGGCCTGCGAGGTGGCCCCATTGCAGAGTGTCTTCC
AGGGACAAAAGACTGAACTGAATAACTGTATCTCCATGCTGGTGGCGGGGAATGACCGTGTGCAGACCAT
CATCACTCAGCTGGAGGATCCCGTCGAGTGACCAAGGAGAACAGTCACCAGGTAAGGAAGAGCTGAGC
CAGAAGTTTGACACGTTGTATGCCATCCTGGATGAGAAGAAAAGTGAGTTGCTGCAGCGGATCACGCAGG
AGCAGGAGAAAAAGCTTAGCTTCATCGAGGCCCTCATCCAGCAGTACCAGGAGCAGCTGGACAAGTCCAC
AAAGCTGGTGGAACTGCCATCCAGTCCCTGGACGAGCCTGGGGGAGCCACCTTCTCTTGACTGCCAAG
CAACTCATCAAAGCATTGTGGAAGCTTCCAAGGGCTGCCAGCTGGGGAAGACAGAGCAGGGCTTTGAGA
ACATGGACTTCTTTACTTTGGATTTAGAGCACATAGCAGACGCCCTGAGAGCCATTGACTTTGGGACAGA
TGAGGAAGAGGAAGAATTATTGAAGAAGAAGATCAGGAAGAGGAAGTCCACAGAAGGAAGGAAGAA
GGACACCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC210267 representing NM_032588
Red=Cloning site Green=Tags(s)

MDYKSSLIQDGNPMENLEKQLICPICLEMFTKPVVILPCQHNLCRKCANDIFQAANPYWTSRGSSVSMMSG
 GRFRCPTRCRHEVIMDRHGVYGLQRNLLVENIIDYKQECSSRPLQKGSHPMCKEHEDEKINIYCLTCEVP
 TCSMCKVFGIHKACEVAPLQSVFQGGKTELNNCISMLVAGNDRVQTIITQLEDSRRVTKENSHQVKEELS
 QKFDTLYAILDEKKSSELLQRITQEQEKKLSFIEALIQQYQEQLDKSTKL VETAIQSLDEPGGATFLLTAK
 QLIIKSIVEASKGCQLGKTEQGFENMDFFLDLEHIADALRAIDFGTDEEEEFIEEEDQEEEEESTEGKEE
 GHQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1036_g03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

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:**
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](#)

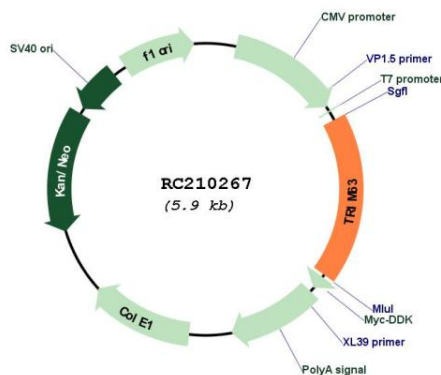
Cytogenetics: 1p36.11

Domains: zf-B_box, RING

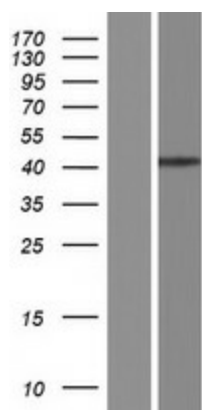
MW: 40.1 kDa

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]

Product images:



Circular map for RC210267



Western blot validation of overexpression lysate (Cat# [LY410019]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC210267 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).