

Product datasheet for **RG218075**

MURF3 (TRIM54) (NM_032546) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MURF3 (TRIM54) (NM_032546) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MURF3
Synonyms:	MURF; MURF-3; muRF3; RNF30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218075 representing NM_032546 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCTCACAGTGGGTTTCAAGCCGCTGCTAGGGGATGCACACAGCATGGACAACCTGGAGAAGCAGC
TCATCTGCCCCATCTGCCTGGAGATGTTCTCAAACCAGTGGTGATCCTGCCCTGCCAACACAACCTGTG
CCGAAATGTGCCAACGACGTCTCCAGGCCTCGAATCCTCTATGGCAGTCCCGGGGCTCCACCACTGTG
TCTTCAGGAGGCCGTTCCGCTGCCATCGTGCAGGCATGAGGTTGTCTGGACAGACACGGTGTCTACG
GCCTGCAGCGAAACCTGCTAGTGGAGAACATTATCGACATTTACAAGCAGGAGTCATCCAGGCCGCTGCA
CTCCAAGGCTGAGCAGCACCTCATGTGCGAGGAGCATGAAGAAGAGAAGTCAATATTTACTGCCTGAGC
TGTGAGGTGCCACCTGCTCTCTGCAAGGTCTTCGGTGCCCAAGGACTGTGAGGTGGCCCCACTGC
CCACCATTTACAAACGCCAGAAGAAACAGGATCTCACTCTGTTGCCAGGCTGGAGTGCAGTGGCAGAAA
CACAACCTACTGCAGCCTTGATCTCCCGAGCTCAAGTGATCCTCCCATCTTAGCCTCGCAGAACACTAAG
ATTATAGATAGTGAGCTCAGCGATGGCATCGCGATGCTGGTGGCAGGCAATGACCGCGTGAAGCAGTGA
TCACACAGATGGAGGAGGTGTGCCAGACTATCGAGGACAATAGCCGGAGGCAGAAGCAGTTGTTAAACCA
GAGGTTTGAGAGCCTGTGCGCAGTGTGGAGGAGCGCAAGGTTGAGCTGCTGCAGGCGCTGGCCCCGGGAG
CAAGAGGAGAAGCTGCAGCGCTCCGCGGCTCATCCGTCAGTATGGCGACCACCTGGAGGCTCCTCTA
AGCTGGTGGAGTCTGCCATCCAGTCCATGGAAGAGCCACAAATGGCGCTGTATCTCCAGCAGGCCAAGGA
GCTGATCAATAAGGTCGGGGCCATGTGCAAGGTGGAGCTGGCAGGGCGGCGGAGCCAGGCTATGAGAGC
ATGGAGCAATTCACCGTAAGGTTGGAGCAGTGGCCGAAATGCTGCGGACCATCGACTTCCAGCCAGGCG
CTTCCGGGAGGAAGAGGAGGTGGCCCCAGACGGAGAGGAGGCGAGCGGGGCCGAGGAAGAGCGGCC
GGATGGGCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG218075 representing NM_032546
 Red=Cloning site Green=Tags(s)

MNFTVGFKPLLGDHSMNLEKQLICPICLEMFSKPVVILPCQHNLCRKCANDVFQASNPLWQSRGSTTV
 SSGGRFRCPSCRHEVVLDRHGVYGLQRNLLVENIIDIKQESSRPLHSKAEQHLMCEEHEEEKINIYCLS
 CEVPTCSLCKVFGAHKDCEVAPLPTIYKRQKKQDLTLLPRLECSGTNTTYCSLDLPSSSDPPILASQNTK
 IIDSELSDGIAMLVAGNDRVQAVITQMEEVCQTIEDNSRRQKQLLNQRFESLCAVLEERKGELLQALARE
 QEEKLQVRVGLIRQYGDHLEASSKLVESAIQSMEEPQMALYLQQAQKELINKVGMAMSKVELAGRPEPGYES
 MEQFTVRVEHVAEMLRTIDFQPGASGEEEEVAPDGEEGSAGPEEERPDGP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_032546

ORF Size: 1200 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_032546.4](#)

RefSeq Size: 1770 bp

RefSeq ORF: 1203 bp

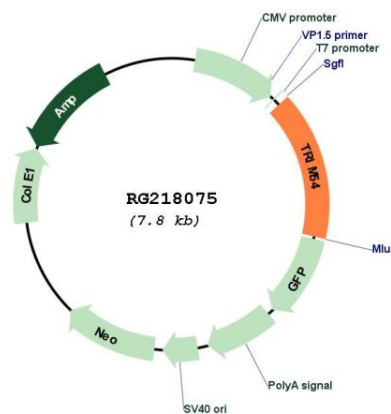
Locus ID: 57159

UniProt ID: [Q9BYV2](#)

Cytogenetics: 2p23.3

Gene Summary: The protein encoded by this gene contains a RING finger motif and is highly similar to the ring finger proteins RNF28/MURF1 and RNF29/MURF2. In vitro studies demonstrated that this protein, RNF28, and RNF29 form heterodimers, which may be important for the regulation of titin kinase and microtubule-dependent signal pathways in striated muscles. Alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG218075