

Product datasheet for **RG223377**

MURF3 (TRIM54) (NM_187841) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MURF3 (TRIM54) (NM_187841) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TRIM54
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:	>RG223377 representing NM_187841 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACCTCACAGTGGGTTTCAAGCCGCTGCTAGGGGATGCACACAGCATGGACAACCTGGAGAAGCAGC
TCATCTGCCCCATCTGCCTGGAGATGTTCTCAAACAGTGGTGATCCTGCCCTGCCAACACAACCTGTG
CCGAAATGTGCCAACGACGCTTCCAGGCCTCGAATCCTCTATGGCAGTCCCGGGGCTCCACCACTGTG
TCTTCAGGAGGCCGTTCCGCTGCCATCGTGCAGGCATGAGGTTGCTCCTGGACAGACACGGTGTCTACG
GCCTGCAGCGAAACCTGCTAGTGGAGAACATTATCGACATTTACAAGCAGGAGTCATCCAGGCCGCTGCA
CTCCAAGGCTGAGCAGCACCTCATGTGCGAGGAGCATGAAGAAGAGAAGTCAATATTTACTGCCTGAGC
TGTGAGGTGCCACCTGCTCTCTGCAAGGTCTTCGGTGCCCAAGGACTGTGAGGTGGCCCCACTGC
CCACCATTTACAAACGCCAGAAGAGTGAGCTCAGCGATGGCATCGCGATGCTGGTGGCAGGCAATGACCG
CGTGCAAGCAGTGATCACACAGATGGAGGAGGTGTGCCAGACTATCGAGGACAATAGCCGGAGGCAGAAG
CAGTTGTTAAACAGAGGTTTGAGAGCCTGTGCGCAGTGTGGAGGAGCGCAAGGGTGTGCTGTCAGG
CGCTGGCCCGGGAGCAAGAGGAGAAGCTGCAGCGCGTCCGCGCCTCATCCGTAGTATGGCGACCACCT
GGAGGCCCTCCTAAGCTGGTGGAGTCTGCCATCCAGTCCATGGAAGAGCCACAAATGGCGCTGTATCTC
CAGCAGGCCAAGGAGCTGATCAATAAGGTGGGGCCATGTCGAAGGTGGAGCTGGCAGGGCCGGCCGAGC
CAGGCTATGAGAGCATGGAGCAATTCACCGTAAGGGTGGAGCACGTGGCCGAAATGCTGCGGACCATCGA
CTTCCAGCCAGGCGCTTCCGGGGAGGAAGAGGAGGTGGCCCCAGACGGAGAGGAGGGCAGCGGGGCCG
GAGGAAGAGCGGCCGGATGGGCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG223377 representing NM_187841
Red=Cloning site Green=Tags(s)

MNFTVGFKPLLGDHSMNDLEKQLICPICLEMFSKPVVILPCQHNLCRKCANDVFQASNPLWQSRGSTTV
 SSGRRFCPSRHEVVLDRHGVYGLQRNLLVENIIDIKQESSRPLHSKAEQHLMCEEHEEEKINIYCLS
 CEVPTCSLCKVFGAHKDCVAPLPTIYKRQKSELSDGIAMLVAGNDRVQAVITQMEEVQCQTIEDNSRRQK
 QLLNQRFESLCAVLEERKGELLQALAREQEEKLQRVIRQYGDHLEASSKLVESAIQSMEEPQMALYL
 QQAKELINKVGAMSKVELAGRPEPGYESMEQFTVVRVHVAEMLRTIDFQPGASGEEEEVAPDGEEGSAGP
 EEERPDGP

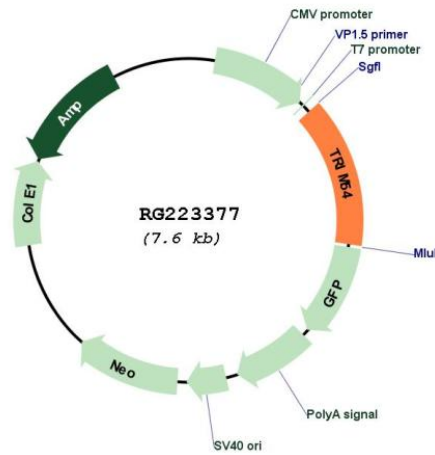
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_187841

ORF Size:	1074 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_187841.3
RefSeq Size:	1644 bp
RefSeq ORF:	1077 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]