

## Product datasheet for **RG214960**

### **MURF2 (TRIM55) (NM\_184085) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MURF2 (TRIM55) (NM_184085) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MURF2
Synonyms:	MURF-2; muRF2; RNF29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RG214960 representing NM\_184085  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGCGCATCTCTGAATTACAAATCTTTTTCCAAAGAGCAGCAGACCATGGATAACTTAGAGAAGCAAC  
 TCATCTGTCCCATCTGCTTAGAGATGTTACGAAACCTGTGGTATTCTCCCTTGTGAGCACAACCTGTG  
 TAGGAAATGTGCCAGTGATATTTTCCAGGCCTCTAACCCGATTTGCCCAAGAGGAGGTACCACCATG  
 GCATCAGGGGGCCGATTCCGCTGCCCATCTGTAGACATGAAGTGGTTTTGGATAGACATGGGGTATATG  
 GACTTCAGAGGAACCTGCTGGTGAAAAATCATTGACATCTACAAGCAGGAGTCCACCAGGCCAGAAAA  
 GAAATCCGACCAGCCATGTGCGAGGAACATGAAGAGGAGCGCATCAACATCTACTGTCTGAACTGCGAA  
 GTACCCACCTGCTCTGTGCAAGGTGTTGGTGCACACAAGACTGCCAGGTGGCTCCCCTCACTCATG  
 TGTTCCAGAGACAGAAGTCTGAGCTCAGTGATGGCATCGCCATCCTCGTGGGCAGCAACGATCGAGTCCA  
 GGGAGTGATCAGCCAGCTGGAAGACACCTGCAAAACTATCGAGGAATGTTGCAGAAAACAGAAACAAGAG  
 CTTTGTGAGAAGTTTGATTACCTGTATGGCATTGTTGGAGGAGAGGAAGAATGAAATGACCCAAGTACCTA  
 CCCGAACCAAGAGGAGAACTGGAACATGTCCGTGCTCTGATCAAAAAGTATTCTGATCATTTGGAGAA  
 CGTCTCAAAGTTGGTTGAGTCAGGAATTCAGTTTATGGATGAGCCAGAAATGGCAGTGTTTCTGCAGAA  
 GCCAAAACCTGCTAAAAAAAATCTCGGAAGCATCAAAGGCATTCAGATGGAGAAAAATAGAATCGGCT  
 ATGAGAACATGAACCACTTACAGTCAACCTCAATAGAGAAGAAAAGATAAATACGTGAAATTGACTTTTA  
 CAGAGAAGATGAAGATGAAGAAGAAGAAGAGCGGAGAAGGAGAAAAAGAAGGAGAAGGAGAAGTGGGA  
 GGAGAAGCAGTAGAAGTGAAGAGGTAGAAAATGTTCAAACAGAGTTTCCAGGAGAAGATGAAAACCCAG  
 AAAAAGCTTCAGAGCTCTCTCAGTGGAGCTGCAGGCTGCCCTGGGGCACTTCCAGTTTCTCTCCAGA  
 GCCACCTCCAGCCCTGCCACCTGCTGCGGATGCCCTGTGACACAGGGGGAGGTTGTACCACTGGCTCT  
 GAGCAGACCACAGAGTCTGAAACTCCAGTCCCTGCAGCAGCAGAACTGCGGATCCCTTGTTTTACCCTA  
 GTTGGTATAAAGGCCAAACCCGAAAGCCACCACCAACCCACCTTGCACCCAGGGAGCGAAGGTCTGGG  
 GCAAATAGGGCTCCAGTTCTGAGGATTCGAATGTACGGAAGGCAGAAGTGGCAGCAGCCGAGCGAGT  
 GAGAGGGCAGCTGTGAGTGGTAAGGAACTAGTGCACCTGCAGCTACTTCTCAGATTGGATTTGAGGCTC  
 CTCCTCCAGGGACAGGCTGCAGCTCCAGCGAGTGGCAGTGGAGCTGATTCTGAGCCAGCTCGCCATAT  
 CTTCTCTTTTCTGTTGAACCTCCTAAATGAA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>RG214960 representing NM\_184085  
 Red=Cloning site Green=Tags(s)

MSASLNYSFSKEQQTMDNLEKQLICPICLEMFTKPVVILPCQHNLCRKASDIFQASNPYLPTRGTTM  
 ASGGRFRCPSCRHEVVLDRHGVYGLQRNLLVENIIDIIYQESTRPEKKSQPMCEEHEEERINIYCLNCE  
 VPTCSLCKVFGAHKDCQVAPLTHVFQRQKSELSGIAILVGSNDRVQGVISQLEDTKTIEECCRKQKQE  
 LCEKFDYLYGILEERKNEMTQVITRTQEEKLEHVRALIKKYSDHLENSKLVESGIQFMDEPEMAVFLQN  
 AKTLLKKISEASKAFQMEKIEHGYENMNHFTVNLNREEKIIREIDFYREDEDEEEEGEKEGEVEV  
 GEAVEVEEVENVQTEFPGEDENPEKASELSQVELQAAPGALPVSSPEPPPALPPAADAPVTQGEVVPTGS  
 EQTTESETPVAAAETADPLFYPSWYKQTRKATTNPPCTPGSEGLGQIGPPGSEDSNVRKAEVAAAAAS  
 ERAAVSGKETSAPAATSQIGFEAPPLQGQAAAPASGSGADSEPARHIFSF SWLNSLNE

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_184085

**ORF Size:** 1644 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\\_184085.2](#)

**RefSeq Size:** 2771 bp

**RefSeq ORF:** 1647 bp

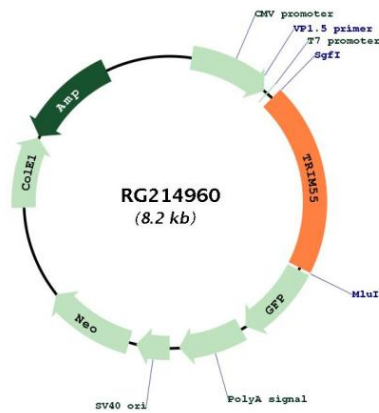
**Locus ID:** 84675

**UniProt ID:** [Q9BYV6](#)

**Cytogenetics:** 8q13.1

**Gene Summary:** The protein encoded by this gene contains a RING zinc finger, a motif known to be involved in protein-protein interactions. This protein associates transiently with microtubules, myosin, and titin during muscle sarcomere assembly. It may act as a transient adaptor and plays a regulatory role in the assembly of sarcomeres. Four alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG214960