

## Product datasheet for **SC305470**

### MURF3 (TRIM54) (NM\_032546) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MURF3 (TRIM54) (NM_032546) Human Untagged Clone
Tag:	Tag Free
Symbol:	MURF3
Synonyms:	MURF; MURF-3; muRF3; RNF30
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_032546 edited  
GGCGCGCGGAATCGCCCTTATGAACTTACAGTGGGTTTCAAGCCGCTGCTAGGGGATG  
CACACAGCATGGACAACCTGGAGAAGCAGCTCATCTGCCCATCTGCCTGGAGATGTTCT  
CCAAACCAGTGGTGATCCTGCCCTGCCAACACAACCTGTGCCGAAATGTGCCAACGACG  
TCTTCCAGGCCTCGAATCCTCTATGGCAGTCCCGGGGCTCCACCACTGTGTCTTCCAGGAG  
GCCGTTTCCGCTGCCATCGTGCAGGCATGAGGTTGTCCTGGACAGACACGGTGTCTACG  
GCCTGCAGCGAAACCTGCTAGTGGAGAACATTATCGACATTTACAAGCAGGAGTCATCCA  
GGCCGCTGCACTCCAAGGCTGAGCAGCACCTCATGTGCGAGGAGCATGAAGAAGAGAAGA  
TCAATATTTACTGCCTGAGCTGTGAGGTGCCACCTGCTCTCTGCAAGGTCTTCGGTG  
CCCACAAGGACTGTGAGGTGGCCCCACTGCCACCATTTACAAACGCCAGAAGAAACAGG  
ATCTCACTCTGTTGCCAGGCTGGAGTGCAGTGGCACAAACACAACCTTACTGCAGCCTTG  
ATCTCCCGAGCTCAAGTGATCCTCCCATCTTAGCCTCGCAGAACACTAAGATTATAGATA  
GTGAGCTCAGCGATGGCATCGCGATGCTGGTGGCAGGCAATGACCGCGTCAAGCAGTGA  
TCACACAGATGGAGGAGGTGTGCCAGACTATCGAGGACAATAGCCGGAGGCAGAAGCAGT  
TGTTAAACCAGAGGTTTGGAGCCTGTGCGCAGTGTGGAGGAGCGCAAGGGTGAGCTGC  
TGCAGGCGCTGGCCCGGAGCAAGAGGAGAAGCTGCAGCGCTCCGCGGCTCATCCGTC  
AGTATGGCGACCACCTGGAGGCCTCCTTAAGCTGGTGGAGTCTGCCATCCAGTCCATGG  
AAGAGCCACAAATGGCGCTGTATCTCCAGCAGGCCAAGGAGCTGATCAATAAGGTGCGGG  
CCATGTCTGAAGGTGGAGCTGGCAGGGCGGCCGGAGCCAGGCTATGAGAGCATGGAGCAAT  
TCACCGTAAGGGTGGAGCACGTGGCCGAAATGCTGCGGACCATCGACTTCCAGCCAGGCG  
CTTCCGGGGAGGAAGAGGAGGTGCCCCAGACGGAGAGGAGGGCAGCGGGGGCCGGAGG  
AAGAGCGGCCGGATGGGCCTTAAGGCCTGCGCCGACCCGACCCTGCTCGAGAGCCCGCGC  
TAGAGTCGGGGAGGATCAAGGGCGAATTCAGATCTGGTACCGATTGACTCTAGATTGCG  
GCCGCGG



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_032546 unedited</p> <pre>GTGGAGGTCAGAAATTGTATACGACTCACTATAGGCGGCCGGAATCGCCCTAGAACTTC ACAGTGGGTTTCAAGCCGCTGCTAGGGGATGCACACAGCATGGACAACCTGGAGAAGCAG CTCATCTGCCCATCTGCCTGGAGATGTTCTCCAAACAGTGGTATCTGCCCTGCCAA CACAACCTGTGCCGAAATGTGCCAACGACGCTTCCAGGCCTCGAATCCTCTATGGCAG TCCCGGGCTCCACCACCTGTGTCTTCAGGAGGCCGTTCCGCTGCCCATCGTGCAGGCAT GAGGTTGCTCCTGGACAGACCGGTGTCTACGGCCTGCAGCGAAACCTGCTAGTGGAGAAC ATTATCGACATTTACAAGCAGGAGTCATCCAGGCCGCTGCACTCCAAGGCTGAGCAGCAC CTCATGTGCGAGGAGCATGAAGAAGAGAAGATCAATATTTACTGCCTGAGCTGTGAGGTG CCCACCTGCTCTCTGCAAGGTCTTCGGTGCCCAAGGACTGTGAGGTGGCCCACTG CCCACCATTTACAAACGCCAGAAGAAACAGGATCTCACTCTGTTGCCAGGCTGGAGTGC AGTGGCACAAACACAACCTACTGCAGCCTTGATCTCCCGAGCTCAAGTATCCTCCCATC TTAGCCTCGCAGAACTAAGATTATAGATAGTGAGCTCAGCGATGGCATCGCGATGCTG GTGGCAGGCAATGACCGGTGCAAGCAGTGATCACACANGATGGAGGAAGTGTGCCAGAC TATCGAGGACAATAGCCGGAGGCAGAAGCAGTTGTTAAACCAGAAGTTTGAGAGCCTGTG CGCATTGCTGGAAGAGCGCAGGGGTGAGCTGCTGCAGGCCTGGCCCGGGAG</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_032546 unedited</p> <pre>NCCTTCNTTGNACCGCGCGCTTTCTANGATCGAATCGGTACCAGNATCTGATTCGCCCT TGATCCTCCCGACTCTAGCGCGGGCTCTCGAGCAGGGTCGGGTCGGCGCAGGCCTTAAG GCCCATCCGGCCGCTCTTCTCCGGCCCCGCGCTGCCCTCCTCTCCGCTGGGGCCACT CCTCTTCTCCCGGAAGCGCCTGGCTGGAAGTCGATGGTCCGCAGCATTTCCGCCACGT GCTCCACCCTTACGGTGAATTGCTCCATGCTCTCATAGCCTGGCTCCGGCCGCCCTGCCA GCTCCACCTTCGACATGGCCCCGACCTTATTGATCAGCTCCTTGGCCTGCTGGAGATACA GCGCCATTTGTGGCTCTTCCATGGACTGGATGGCAGACTCCACCAGCTTAGAGGAGGCT CCAGGTGGTCGCATACTGACGGATGAGGCCGCGGACGCGCTGCAGCTTCTCCTTGTCT CCCGGGCCAGCGCCTGCAGCAGCTCACCTTGCCTCCTCCAGCACTGCGCACAGGCTCT CAAACCTCTGGTTAACAACTGCTTCTGCCTCCGGCTATTGTCCTCGATAGTCTGGCACA CCTCCTCCATCTGTGTGATCACTGCTTGCACGCGGTGATTGCCTGCCACCAGCATCGCGA TGCCATCGCTGAGCTCACTATCTATAATCTTAGTGTCTGCGAGGCTAAGATGGGAGGAT CACTTGAGCTCGGAGATCAAGGCTGCAGTAAGTTGTGTTGTGCCACTGCACTCCAGCC TGGGCAACAGAGTGAGATCCTGTTTCTTCTGCGCTTTGTTAAATGGTGGCAGTGGGCGCA CCTCACAGTCCTTGTGGGCACCGAAAACCTGCANAGAGAGCAGGTGGGCACCTCACAGCT</pre>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_032546
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>OTI Annotation:</b>	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
<b>Components:</b>	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\\_032546.2](#), [NP\\_115935.3](#)

**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]

Transcript Variant: This variant (1) encodes the longer isoform (1).