

## Product datasheet for **SC321269**

### **MURF2 (TRIM55) (NM\_184086) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MURF2 (TRIM55) (NM_184086) Human Untagged Clone
Tag:	Tag Free
Symbol:	MURF2
Synonyms:	MURF-2; muRF2; RNF29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_184086.1  
 AAACAATGTCCTCCACCGAGAGAAACGTAAGGACACTTGATCACACAATCCCTGGAATA  
 ATATCCAGGAAACACTTGTGGAGCCACTCGCAGCACCCCTCCCTGGCAGCACACTTGGG  
 GACAGCGAGGAGATGAGCGCATCTCTGAATTACAAATCTTTTCCAAAGAGCAGCAGACC  
 ATGGATAACTTAGAGAAGCAACTCATCTGTCCCATCTGCTTAGAGATGTTACGAAACCT  
 GTGGTGATTCTCCCTTGTGAGCACAACCTGTGTAGGAAATGTGCCAGTGATATTTTCCAG  
 GCCTTAACCCCGTATTTGCCACAAGAGGAGGTACCACCATGGCATCAGGGGGCCGATT  
 CGCTGCCCATCCTGTAGACATGAAGTGGTTTTGGATAGACATGGGGTATATGGACTTCAG  
 AGGAACCTGCTGGTGAAAATATCATTGACATCTACAAGCAGGAGTCCACCAGGCCAGAA  
 AAGAAATCCGACCAGCCATGTGCGAGGAACATGAAGAGGAGCGCATCAACATCTACTGT  
 CTGAACTGCGAAGTACCCACCTGCTCTGTGCAAGGTGTTTGGTGCACACAAAGACTGC  
 CAGGTGGTCCCCTCACTCATGTGTTCCAGAGACAGAAGTCTGAGCTCAGTGATGGCATC  
 GCCATCCTCGTGGCAGCAACGATCGAGTCCAGGGAGTGATCAGCCAGCTGGAAGACACC  
 TGCAAACTATCGAGGAATGTTGCAGAAAACAGAAACAAGAGCTTTGTGAGAAGTTTGAT  
 TACCTGTATGGCATTGAGGAGAGGAAGAATGAAATGACCCAAGTCATTACCCGAACC  
 CAAGAGGAGAACTGGAACATGTCCGTGCTCTGATCAAAAAGTATTCTGATCATTGGAG  
 AACGTCTCAAAGTTGGTTGAGTCAGGAATTCAGTTTATGGATGAGCCAGAAATGGCAGTG  
 TTTCTGCAGAATGCCAAAACCTGCTAAAAAAATCTCGGAAGCATCAAAGGCATTTTCAG  
 ATGGAGAAAATAGAACATGGCTATGAGAACATGAACCACTTACAGTCAACCTCAATAGA  
 GAAGAAAAGATAATACGTGAAATGACTTTTACAGAGAAGATGAAGATGAAGAAGAAGAA  
 GAAGGCGGAGAAGGAGAAAAAGAAGGAGAAGGAGAAGTGGGAGGAGAAGCAGTAGAAGTG  
 GAAGAGGTAGAAAATGTTCAAACAGAGTTTCCAGGAGAAGATGAAAACCCAGAAAAAGCT  
 TCAGAGCTCTCAGGTGGAGTGCAGGCTGCCCTGGGGCACTTCCAGTTTCTCTCCA  
 GAGCCACCTCCAGCCCTGCCACCTGCTGCGGATGCCCTGTGACACAGATTGGATTTGAG  
 GCTCCTCCCTCCAGGGACAGGCTGCAGCTCCAGCGAGTGGCAGTGGAGCTGATTCTGAG  
 CCAGCTCGCCATATCTTCTCCTTTTCTGGTTGAACTCCCTAAATGAATGATATTCATTC  
 CAACTGCTGCCCTCTGTCTGCCTGGCTGAGATGCATGTGGGCAGCAGGAAGCCCAAGTG  
 AAATTAATATTATGCAGATGATGAAAGGGACCTCTGAACAGGATTTCTGCAAAAATAGCC  
 CCAAACTGCAATCCATATGACTTATCTAACATCTTGGGGGAAAGAATATTTTGAGAAA  
 ATAGTTGCAGAAAGCACTGGAAATAATAAACTTGATCTTATACAAAAA  
 A

**Restriction Sites:** Please inquire

**ACCN:** NM\_184086

**OTI Disclaimer:** 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_184086.1](#), [NP\\_908974.1](#)

**RefSeq Size:** 2483 bp

**RefSeq ORF:** 1359 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]  
Transcript Variant: This variant (3) lacks an in-frame exon within the coding region compared to variant 1. The resulting isoform (3) lacks an internal region, as compared to isoform 1.