

## Product datasheet for **SC309694**

### **MURF2 (TRIM55) (NM\_184087) Human Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	MURF2 (TRIM55) (NM_184087) Human Untagged Clone
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	TRIM55
<b>Synonyms:</b>	MURF-2; muRF2; RNF29
<b>Vector:</b>	<u>pCMV6 series</u>
<b>Fully Sequenced ORF:</b>	>NCBI ORF sequence for NM_184087, the custom clone sequence may differ by one or more nucleotides ATGAGCGCATCTCTGAATTACAAATCTTTTTCCAAAGAGCAGCAGACCATGGATAACTTA GAGAAGCAACTCATCTGTCCCATCTGCTTAGAGATGTTACGAAACCTGTGGTGATTCTC CCTTGTCAGCACAACTGTGTAGGAAATGTGCCAGTGATATTTCCAGGCCTCTAACCCG TATTTGCCACAAGAGGAGGTACCACCATGGCATCAGGGGGCCGATTCCGCTGCCCATCC TGTAGACATGAAGTGGTTTTGGATAGACATGGGGTATATGGACTCAGAGGAACCTGCTG GTGGAAAATATCATTGACATCTACAAGCAGGAGTCCACCAGGCCAGAAAAGAAATCCGAC CAGCCCATGTGCGAGGAACATGAAGAGGAGCGCATCAACATCTACTGTCTGAACTGCGAA GTACCCACCTGCTCTCTGTGCAAGGTGTTTGGTGACACAAAGACTGCCAGGTGGCTCCC CTCACTCATGTGTTCCAGAGACAGAAGTCTGAGCTCAGTGATGGCATCGCCATCCTCGTG GGCAGCAACGATCGAGTCCAGGGAGTGATCAGCCAGCTGGAAGACACCTGCAAACTATC GAGATTGGATTTGAGGCTCCTCCCTCCAGGGACAGGCTGCAGCTCCAGCGAGTGGCAGT GGAGCTGATTCTGAGCCAGCTCGCCATATCTTCTCCTTTTCTGGTTGAACTCCCTAAAT GAATGA
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_184087
<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>	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.
<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).



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**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\\_184087.1](#), [NP\\_908975.1](#)

**RefSeq Size:** 1850 bp

**RefSeq ORF:** 726 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 (4) lacks four exons within the coding region compared to variant 1. The translation frame remains the same. The resulting isoform (4) lacks an internal region, as compared to isoform 1. This isoform (4) was detected specifically in cardiac muscle.