

Product datasheet for **SC313923**

MURF2 (TRIM55) (NM_033058) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MURF2 (TRIM55) (NM_033058) Human Untagged Clone
Tag:	Tag Free
Symbol:	MURF2
Synonyms:	MURF-2; muRF2; RNF29
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC313923 representing NM_033058.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGAGCGCATCTCTGAATTACAAATCTTTTTCCAAAGAGCAGCAGACCATGGATAACTTAGAGAAGCAA
CTCATCTGTCCCATCTGCTTAGAGATGTTACGAAACCTGTGGTATTCTCCCTGTGAGCACAACCTG
TGTAGGAAATGTGCCAGTGATATTTCCAGGCCTTAACCGTATTTGCCACAAGAGGAGTACCACC
ATGGCATCAGGGGCGGATTCCGCTGCCATCCTGTAGACATGAAGTGGTTTTGGATAGACATGGGGTA
TATGGACTTCAGAGGAACCTGCTGGTGGAAAATATCATTGACATCTACAAGCAGGAGTCCACCAGGCCA
GAAAAGAAATCCGACCAGCCATGTGCGAGGAACATGAAGAGGAGCGCATCAACATCTACTGTCTGAAC
TGCGAAGTACCCACCTGCTCTGTGCAAGGTGTTTGGTGCACACAAAGACTGCCAGGTGGCTCCCTC
ACTCATGTGTTCCAGAGACAGAAGTCTGAGCTCAGTGATGGCATCGCCATCCTCGTGGGCAGCAACGAT
CGAGTCCAGGGAGTGATCAGCCAGCTGGAAGACACCTGCAAACTATCGAGGAATGTTGCAGAAAACAG
AAACAAGAGCTTTGTGAGAAGTTTGATTACCTGTATGGCATTGAGGAGAGGAAGAATGAAATGACC
CAAGTCATTACCCGAACCAAGAGGAGAACTGGAACATGTCCGTGCTCTGATCAAAAAGTATTCTGAT
CATTTGGAGAACGTCTCAAAGTTGGTTGAGTCAGGAATTCAGTTTATGGATGAGCCAGAAATGGCAGTG
TTTCTGCAGAATGCCAAAACCTGCTAAAAAAATCTCGGAAGCATCAAAGGCATTTAGATGGAGAAA
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GAAATTGACTTTTACAGAGAAGATGAAGATGAAGAAGAAGAAGAGCGGAGAAGGAGAAAAAGAAGGA
GAAGGAGAAGTGGGAGGAGAAGCAGTGAAGTGAAGAGGTAGAAAATGTTCAAACAGAGTTTCCAGGA
GAAGATGAAAACCCAGAAAAAGCTTCAGAGCTCTCAGGTGGAGCTGCAGGCTGCCCTGTGACACAGGGGAG
CCAGTTTCTCTCCAGAGCCACCTCCAGCCCTGCCACCTGCTGCGGATGCCCTGTGACACAGGGGAG
GTTGTACCCACTGGCTCTGAGCAGACCACAGAGTCTGAAACTCCAGTCCCTGCAGCAGCAGAAACTGCG
GATCCCTTGTTTTACCCTAGTTGGTATAAAGGCCAAACCCGAAAGCCACCACCAACCCACCTTGACC
CCAGGGAGCGAAGGTCTGGGGCAAATAGGGCTCCAGGTTCTGAGGATTCGAATGTACGGAAGGCAGAA
GTGGCAGCAGCCGACGAGTGAGAGGGCAGCTGTGAGTGGTAAGGAACTAGTGCACCTGCAGCTACT
TCTCAGGAGTTAGTAATCTGCCTAGCGCTTTTGGCTTTTCTATTCTTCACTACATCTGGAGTCAGATT
CAGTGCTTGATTTTTACTTTAATGGATTGGATTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_033058

Insert Size: 1623 bp

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_033058.2](#)

RefSeq Size: 2859 bp

RefSeq ORF: 1623 bp

Locus ID: 84675

UniProt ID: [Q9BYV6](#)

Cytogenetics: 8q13.1

Domains: zf-B_box, RING

MW: 60.2 kDa

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 (2) has an additional exon within the coding region compared to variant 1, which causes a frameshift. The resulting isoform (2) has a distinct and shorter C-terminus, as compared to isoform 1.