

Product datasheet for **SC337688**

MRTFA (NM_001282660) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRTFA (NM_001282660) Human Untagged Clone
Tag:	Tag Free
Symbol:	MRTFA
Synonyms:	BSAC; MAL; MKL; MKL1; MRTF-A
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001282660, the custom clone sequence may differ by one or more nucleotides

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ATGCCGCCTTTGAAAAGTCCAGCCGATTTTCATGAGCAGAGAAGGAGCTTGGAGCGGGCCAGGACAGAGG
ACTATCTCAAACGGAAGATTTCGTTCCCGGCCGGAGAGATCGGAGCTGGTCAGGATGCACATTTTGAAGA
GACCTCGGCTGAGCCATCCCTCCAGGCCAAGCAGCTGAAGCTGAAGAGAGCCAGACTAGCCGATGACCTC
AATGAGAAGATTGCACAGAGGCCTGGCCCCATGGAGCTGGTGGAGAAGAACATCCTTCTGTTGAGTCCA
GCCTGAAGGAAGCCATCATTGTGGGCCAGGTGAACTATCCCAAAGTAGCAGACAGCTCTTCTTCGATGA
GGACAGCAGCGATGCCTTATCCCCGAGCAGCCTGCCAGCCATGAGTCCCAGGGTTCTGTGCCGTACCC
CTGGAGGCCCGAGTCAGCGAACCCTGCTCAGTGCACCTCTGCATCCCCACCCAGGTTGTGTCTCAAC
TTCGATGGGCCGGGATTCCAGAGAAATGCTTTTCTGGCAGAGCAGCCTCCTCTGCCTCCCCACCTCT
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AGCCAACCAAGTCTGCCAGTGAGAAGTACAGCGCAGCAAGAAGGCCAAGGAGCTGAAGCCAAAGGTGA
AGAAGCTCAAGTACCACCAGTACATCCCCCGGACCAGAAGCAGGACAGGGGGGCACCCCCATGGACTC
ATCCTACGCCAAGATCCTGCAGCAGCAGAGCTTCTCCTCAGCTGCAGATCCTCAACCAGCAGCAGCAG
CAGCACCACAACCTACCAGGCCATCCTGCCTGCCCGCCAAAGTCAGCAGGCGAGGCCCTGGGAAGCAGCG
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TTGAGCGCCTTCGAGCCTATCAAGACCAATCAGCCCTGTGCCAGGAGCCCCAAGGCCCTGCCGCCAC
CTCTATCTGCACAAGGCTGGCAGGTGGTGGTAGCCTTCCAGCGGCCCGGCTGAGCAGGGGCCAGCC
CTGGTGGCAGCAGGCCTGGCTCAGCTGAGTGGTGGTGGCCACGGTGGCCAGCAGTGGGTGGTGAAGT
TTGGCAGCACGGGCTCCACGCCCCCGTGTCTCCACCCCTCGGAGCGCTCACTGCTCAGCACGGGCGA
TGAAAACCTCCACCCCGGGGACACCTTTGGTGAAGTGGTACATCACCTCTGACGAGCTGACCCTGCAG
GCCTCGCCACTGCAGATCCTCGTGAAGGAGGAGGGCCCCCGGGCCGGTCTGTTGCCTGAGCCCTGGGG
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CACCTCCACCCCTCATCACCGACTCCACAGGGACCCACCTTGTCTCACCGTGACCAATAAGAAATGCAGA
CAGCCCTGGCCTGTCCAGTGGGAGCCCCAGCAGCCCTCGTCCCAGCCTGGCTCTCCAGCGCCTGCCCC
TCTGCCAGATGGACCTGGAGCACCCACTGCAGCCCTCTTTGGGACCCCACTTCTCTGCTGAAGAAGG
AACCACCTGGCTATGAGGAAGCCATGAGCCAGCAGCCAAACAGCAGGAAAATGGTTCTCAAGCCAGCA
GATGGACGACCTGTTTACATTCTATTACAGAGCGGAGAAATTCAGCAGATTTCAAGGAGCCGCATCC
CTGCCAGGGAAGGAGAAGCCATCCCCGAAGACAGTCTGTGGTCCCCCTGGCAGCACAGCCATCACCTT
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CCTGGAGAGCAGCACGGGCTGCCCTGCTGACCAGTGGCATGACGGGCCAGAGCCCTTTCCTCATT
GACGACCTCCATAGCCAGATGCTGAGCAGCACTGCCATCCTGGACCACCCCGTCAACCATGGACACCT
CGGAATTGCATTTGTTCTGAGCCAGCAGCACCATGGGCTGGACCTGGCTGATGGCCACCTGGACAG
CATGGACTGGCTGGAGCTGTCGTGAGGTGGTCCCGTGTGAGCCTAGCCCCCTCAGCACCACAGCCCC
AGCCTCTTCTCCACAGACTTCTCGATGGCCATGATTTGCAGCTGCACTGGGATTCTGCTGTAG
    
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Restriction Sites: SgfI-MluI
ACCN: NM_001282660

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).
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:	<ol style="list-style-type: none">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:	<u>NM_001282660.1</u> , <u>NP_001269589.1</u>
RefSeq Size:	4138 bp
RefSeq ORF:	2796 bp
Locus ID:	57591
UniProt ID:	<u>Q969V6</u>
Cytogenetics:	22q13.1-q13.2
Protein Families:	Transcription Factors
Gene Summary:	<p>The protein encoded by this gene interacts with the transcription factor myocardin, a key regulator of smooth muscle cell differentiation. The encoded protein is predominantly nuclear and may help transduce signals from the cytoskeleton to the nucleus. This gene is involved in a specific translocation event that creates a fusion of this gene and the RNA-binding motif protein-15 gene. This translocation has been associated with acute megakaryocytic leukemia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (1) has a shorter N-terminus, compared to isoform 5. CCDS Note: NM_020831.4 is set to be removed from CCDS14003.1 in the next CCDS release. It has been updated to NM_020831.5 following an extension of the 5' CDS that reflects the use of a GUG start codon. The updated protein is longer at the N-terminus by 100 amino acid residues. The CDS of NM_001282660.1 remains unchanged.</p>