

Product datasheet for **SC318468**

MRTFB (NM_014048) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRTFB (NM_014048) Human Untagged Clone
Tag:	Tag Free
Symbol:	MRTFB
Synonyms:	MKL2; MRTF-B; NP001
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC318468 representing NM_014048. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTGCTGCTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGGATCACACAGGGGCGATAGACACCGAGGATGAAGTGGGACCTTTAGCCCATCTTGCTCCAAGTCCT
CAGAGTGAAGCTGTGGCTCATGAATTCAGGAACCTCTCTTGCAGTCCAGTCAAACTTACCCCTCTG
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_014048
Insert Size:	3150 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:	<u>NM_014048.3</u>
RefSeq Size:	8680 bp
RefSeq ORF:	3150 bp
Locus ID:	57496
UniProt ID:	<u>Q9ULH7</u>
Cytogenetics:	16p13.12
Protein Families:	Transcription Factors
MW:	114.1 kDa
Gene Summary:	Acts as a transcriptional coactivator of serum response factor (SRF). Required for skeletal myogenic differentiation.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.