

Product datasheet for **SC118177**

Serum Response Factor (SRF) (NM_003131) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Serum Response Factor (SRF) (NM_003131) Human Untagged Clone
Tag:	Tag Free
Symbol:	Serum Response Factor
Synonyms:	MCM1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_003131, the custom clone sequence may differ by one or more nucleotides

```
ATGTTACCGACCAAGCTGGGGCCGCGGCGCTCTGGGCCGGGGCTCGGCCCTGGGGGGCAGCCTGAACC
GGACCCCGACGGGGCGCCGGGCGGCGGGGACACGCGGGGCTAACGGGGCCGGGTCCCCGGGAA
TGGCGCGGGGCTCGGGCCCGCCGCTGGAGCGGGAGGCTGCGGCAGCGGCGCAACCACCCGCGCC
ACCGCGGGGGCCCTCTACAGCGGCAGCGAGGGCGACTCGGAGTCGGGCGAGGAGGAGGAGCTGGGCGCC
AGCGGCGCGGCTGAAGCGGAGCCTGAGCGAGATGGAGATCGGTATGGTGGTGGTGGGCCCCGAGGCGTC
GGCAGCGGCCACCGGGGCTACGGGCCGCTGAGCGGCGCGGTGAGCGGGCCAAGCCGGTAAGAAGACC
CGGGGCCGCTGAAGATCAAGATGGAGTTCATCGACAACAAGCTCGGGCGCTACACGACCTTCAGCAAGA
GGAAGACGGGCATCATGAAGAAGCCTATGAGCTGTCCAGCTGACAGGGACACAGGTGCTGTTGCTGGT
GGCCAGTGAGACAGGCCATGTGTATACCTTTGCCACCCGAAAAGTGCAGCCCATGATCACCAGTGAGACC
GGCAAGGCACTGATTCAGACCTGCCTCAACTCGCCAGACTCTCCACCCCGTTTCAGACCCACAACAGACC
AGAGAAATGAGTGCCACTGGCTTTGAAGAGACAGATCTCACCTACCAGGTGTCGGAGTCTGACAGCAGTGG
GGAGACCAAGGACACACTGAAGCCGGGCTTACAGTCACCAACCTGCCGGGTACAACCTCCACCATCCAA
ACAGCACCTAGCACCTCTACCACCATGCAAGTCAGCAGCGGCCCTCCTTTCCATCACCACCTACCTGG
CACCAGTGTCTGCTAGTGTGACGCCCCAGTGTGTGACAGTGCATGCAATGGGACTGTGCTGAAGAGTACAGG
CAGCGGCCCTGTCTCCTCTGGGGCCTTATGACGCTGCCTACCAGCTTCACCCCTATGCCCTGGTGGGGCA
GTGGCCCAGCAGTCCCAGTGCAGGCCATTCAAGTGCACCAGGCCCCACAGCAAGCGTCTCCCTCCCGTG
ACAGCAGCACAGACCTCACGACAGCTCCTCCAGCGGGACAGTACGCTGCCCGCCACCATCATGACGTC
ATCCGTGCCACAACCTGTGGGTGCCACATGATGTACCCTAGCCCGCATGCGGTGATGATGCCCCACC
TCGGGCTGGGTGATGCCAGCCTCACCGTGTGAATGCCCTTCCAGGCACCATCCACCATGCAGGTGT
CACACAGCCAGGTCCAGGAGCCAGGTGGCGTCCCCAGGTGTTCTGACAGCATCATCTGGGACAGTGCA
GATCCCTGTTTCAGCAGTTCAGCTCCACCAGATGGCTGTGATAGGGCAGCAGGCCGGGAGCAGCAGCAAC
CTCACCAGCTACAGGTGGTGAACCTGGACACCCGCCACAGCACCAAGAGTGAATGA
```



[View online »](#)

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003131 unedited GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCCACAGGGGCAGGAAA GTGAGGGCCAGGTGGCCCGGGCGTGCAGGGGCCCGGGTTTCGACGGCGGCCGCGGC AGCGATAGCGGCACTAGCAGCAGCGGGAGTGCCGGGTTGAGCCGGGAAGCCGATGGCGGC GGCTGCGGCGGCTCCGATTCTCGCTGACTGCCCGTCCGCCCTCTGCATCGAGCGCCAT GTTACCGACCCAAAGCTGGGGCCGCGGCTCTGGCCGGGGCTCGGCCCTGGGGGGCAG CCTGAACCGGACCCCGACGGGGCGCGGGCGGGCGGGGACACGCGGGGCTAACGG GGGCCGGTCCCGGGAATGGCGCGGGGCTCGGGCCCGCCGCTGGAGCGGGAGGCTGC GGCAGCGCGGCAACCACCCCGCGCCACCAGCGGGGGCCCTCTACAGCGCAGCGAGGG CGACTCGGAGTCGGGCGAGGAGGAGGAGCTGGCGCCGAGCGGCGCGCCGAAGCGGAG CCTGAGCGAGATGGAGATCGGTATGGTGGTCGGTGGGCCGAGGCGTCGGCAGCGGCCAC CGGGGGCTACGGGCGGTGAGCGCGCGGTGAGCGGTGCCAATCCGGGTAAGAAGACCCG GGGCCGCTGAAGATCAAGATGGAGTTCATCGACACCAGCTGCGGCGCTACACGACCTTC AGCAAGAAGAAGACGGGCATCATGAAAGAAGCCTATGAGCTGTCCAGCTGACAGGGACA CAGGTTGCTGTTGCTGGTGGCCAGTGAGACAGCCATGTGTATACCTTTTCCACCCGAAA CTGAGCCCATGATCACCATGAGACCGGAAGCACTGATTCAAACCTGCCTCATCTGCAG ACTCTCACCCGTTAGACCCACACAGACANAGGATGATCGCCCTGCT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003131 unedited TTATAGCATTTGGTTTTCACTTTTCGTCTCCTCAAATAAAAAGTTCAAAATCAACTTTAA GTAAAGCAGCTGGGAGGAGAGGGGGGAAGACAAGGGGAGAGGGAAACGCTGGTGGTTCC CTCCAACCCAGGAGCCCTGGAGGTCCAAGGGGAGCGGCAAGGCAGGGCAGGCGGCCCA GGAACCTGCCAGTGCACAGGCCAGCTACTCAGGAGCTGAAGGGGAGAGGACAGCAGT GTGAGGAAGAAGCCCCATCTCCCAGCTGGCCCCCTGAGGGGCAGAGCCAGGGCTTTT TGACCCAGCCTGTGACAGACACAGGGCTGACCTGGGGTACGAAGGAGGCTGGCAAGAGG GCCCAACTGTTCTCAGAGGAGGACACGGTGCCAGCCCCACAGAATGCCTGTGTGTG GGGAGGTGGGACCGTCCCATTGGTAAGCTAATACTCATGGCAAAATCGAGCCAAGC TGGCGAGGGGGTCCCATGAAGGAGGACAGCCCTTACGCAACAGAAAATGTGATGTGGGC GGAACAAAGGGAGGCTGATGGACAGCCGTTGCGAGCTTGCATGCCCTTTCCTTTGCCTG ACTCATAGGCCTACCCCTCGCCGCCCTTCTCTTCCCCCTCCTTCTTCTTCTTCTCCTT CCCCCTTCTCCCCCTCACCTCCCCCTTTTTTCTCCCCCTCTTCTCTCCCAGATATT TTTTTTCCCCCTCTCTCCCCCTCCTTCCCCCTTCCCCCTTCTTTTTTATTGCTC ACATTCGCCCGCCCGTTTCCGTCTTTTCCCCCTCCATTCCCCCCCCCTTCTTTTACGT TCCTTCTTTTTTTTCCCTTCTCCCTCCCTCCTTCTTCTCCCTTCTTTTTTCTTTT TTTCCCCCTCCTTCTTCTTCCCCCTCCTTCTTCTTCCCTATTTTCTCCCCCCCCAT TCTTTTCTTCTCTCCCCCTCCTTATCTTCCATCCTCGATTCTTCTCTTT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_003131
Insert Size:	2740 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).
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_003131.2](#), [NP_003122.1](#)

RefSeq Size: 4343 bp

RefSeq ORF: 1527 bp

Locus ID: 6722

UniProt ID: [P11831](#)

Cytogenetics: 6p21.1

Domains: MADS

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: MAPK signaling pathway

Gene Summary: This gene encodes a ubiquitous nuclear protein that stimulates both cell proliferation and differentiation. It is a member of the MADS (MCM1, Agamous, Deficiens, and SRF) box superfamily of transcription factors. This protein binds to the serum response element (SRE) in the promoter region of target genes. This protein regulates the activity of many immediate-early genes, for example c-fos, and thereby participates in cell cycle regulation, apoptosis, cell growth, and cell differentiation. This gene is the downstream target of many pathways; for example, the mitogen-activated protein kinase pathway (MAPK) that acts through the ternary complex factors (TCFs). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2014]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).