

Product datasheet for SC335217

Serum Response Factor (SRF) (NM_001292001) Human Untagged Clone

Product data:

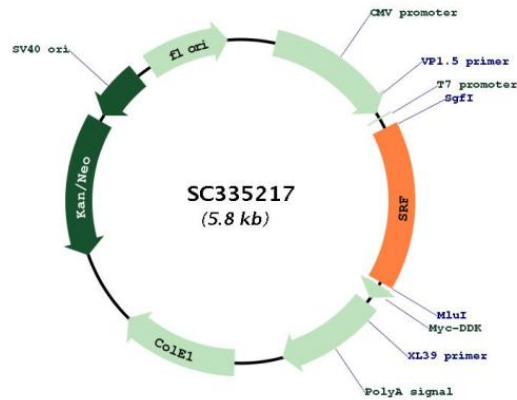
Product Type:	Expression Plasmids
Product Name:	Serum Response Factor (SRF) (NM_001292001) Human Untagged Clone
Tag:	Tag Free
Symbol:	SRF
Synonyms:	MCM1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335217 representing NM_001292001. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGCATCGCC
ATGATCACCAGTGAGACCGCAAGGCACTGATTCAGACCTGCCTCAACTCGCCAGACTCTCCACCCCGT
TCAGACCCACAACAGACCAGAGAATGAGTGCCACTGGCTTTGAAGAGACAGATCTCACCTACCAGGTG
TCGGAGTCTGACAGCAGTGGGGAGACCAAGGACACACTGAAGCCGGCGTTCACAGTCACCAACCTGCCG
GGTACAACCTCCACCATCAAACAGCACCTAGCACCTCTACCACCATGCAAGTCAGCAGCGGCCCTCC
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TTACCCTCATGCCTGGTGGGGCAGTGGCCAGCAGGTCCCAGTGCAGGCCATTCAAGTGCACCAGGCC
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ACGCTGCCCGCCACCATCATGACGTATCCGTGCCCAACTGTGGGTGGCCACATGATGTACCCTAGC
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TCCCAGGCACCATCCACCATGCAGGTGTACACAGCCAGGTCCAGGAGCCAGGTGGCGTCCCCCAGGTG
TTCTGACAGCATCATCTGGGACAGTGCAGATCCCTGTTTCAGCAGTTCAGCTCCACCAGATGGCTGTG
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AGCACCAAGAGTGAATGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001292001

Insert Size: 915 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_001292001.1](#)

RefSeq Size: 3417 bp

RefSeq ORF: 915 bp

Locus ID: 6722

UniProt ID: [P11831](#)

Cytogenetics: 6p21.1

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: MAPK signaling pathway

MW: 31 kDa

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 (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) is shorter at the N-terminus compared to isoform 1.