

Product datasheet for **SC330555**

SR1 (SRI) (NM_001256891) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: SR1 (SRI) (NM_001256891) Human Untagged Clone
Tag: Tag Free
Symbol: SRI
Synonyms: CP-22; CP22; SCN; V19
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330555 representing NM_001256891.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

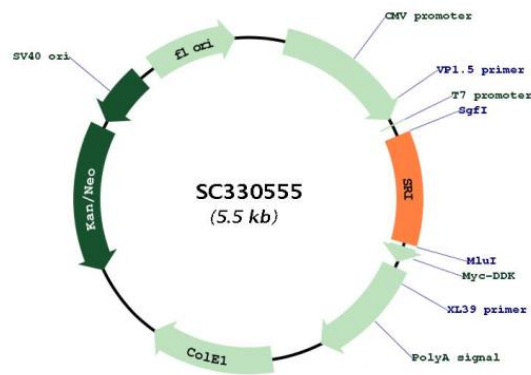
```
ATGGCGTACCCGGGGCATCCTGGCGCCGGCGGGTACTACCCAGGCGGGTATGGAGGGGCTCCCGGA  
GGGCCTGCGTTTCCCGGACAACTCAGGATCCGCTGTATGGTTACTTTGCTGCTGTAGCTGGACAGGAT  
GGGCAGATAGATGCTGATGAATTGCAGAGATGTCTGACACAGTCTGGCATTGCTGGAGGATACAAACCT  
TTAACCTGGAGACTTGCCGGCTTATGGTTTCAATGCTGGATAGAGATATGTCTGGCACAATGGGTTTC  
AATGAATTTAAAGAACTCTGGGCTGTACTGAATGGCTGGAGACAACACTTTATCAGTTTTGACACTGAC  
AGGAGTGAACAGTAGACCCACAAGAATTGCAGAAGGCCCTGACAACAATGGGATTTAGGTTGAGTCCC  
CAGGCTGTGAATTC AATTGCAAAACGATACAGCACCAATGGAAAGATCACCTTCGACGACTACATCGCC  
TGCTGCGTCAAAC TGAGGGCTCTTACAGACAGCTTTCGAAGACGGGATACTGCTCAGCAAGGTGTTGTG  
AATTTCCCATATGATGATGTAAGCTTAGAAAT TAA
```

Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001256891

Insert Size: 588 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_001256891.1](#)

RefSeq Size: 932 bp

RefSeq ORF: 588 bp

Locus ID: 6717

UniProt ID: [P30626](#)

Cytogenetics: 7q21.12

Protein Families: Druggable Genome

MW: 21.3 kDa

Gene Summary: This gene encodes a calcium-binding protein with multiple E-F hand domains that relocates from the cytoplasm to the sarcoplasmic reticulum in response to elevated calcium levels. In addition to regulating intracellular calcium homeostasis it also modulates excitation-contraction coupling in the heart. Alternative splicing results in multiple transcript variants encoding distinct proteins. Multiple pseudogenes exist for this gene. [provided by RefSeq, Mar 2012]

Transcript Variant: This variant (3) differs in the 3' coding region and 3' UTR, compared to variant 1. These differences result in a protein (isoform C) with a shorter and distinct C-terminus, compared to isoform A.