

## Product datasheet for **SC330556**

### SR1 (SRI) (NM\_001256892) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SR1 (SRI) (NM\_001256892) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** SR1  
**Synonyms:** CP-22; CP22; SCN; V19  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330556 representing NM\_001256892.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGCAGTATGGAGGGCTCCCGGAGGCCTGCGTTTCCCGGACAACTCAGGATCCGCTGTATGGTTAC
TTTGCTGCTGTAGCTGGACAGGATGGGCAGATAGATGCTGATGAATTGCAGAGATGTCTGACACAGTCT
GGCATTGCTGGAGGATACAAACCTTTTAACTGGAGACTTGCCGGCTTATGGTTTCAATGCTGGATAGA
GATATGCTGGCACAATGGGTTTCAATGAATTTAAAGAACTCTGGGCTGACTGAATGGCTGGAGACAA
CACTTTATCAGTTTTGACACTGACAGGAGTGGAACAGTAGACCCACAAGAATTGCAGAAGGCCCTGACA
ACAATGGGATTTAGGTTGAGTCCCAGGCTGTGAATTCATTGCAAACGATACAGACCAATGAAAG
ATCACCTTCGACGACTACATCGCCTGCTGCGTCAAACCTGAGGGCTTTACAGACGCTTTTCAAGACGG
GATACTGCTCAGCAAGGTGTTGTGAATTTCCCATATGATGATGTAAGTCTTAGAAAT
```

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001256892  
**Insert Size:** 543 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).



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**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\\_001256892.1](#)

**RefSeq Size:** 908 bp

**RefSeq ORF:** 543 bp

**Locus ID:** 6717

**UniProt ID:** [P30626](#)

**Cytogenetics:** 7q21.12

**Protein Families:** Druggable Genome

**MW:** 20 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 (4) has multiple differences compared to variant 1. These differences result in a protein (isoform D) with shorter and distinct N- and C-termini, compared to isoform A.