

Product datasheet for **SC118176**

SR1 (SRI) (NM_003130) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SR1 (SRI) (NM_003130) Human Untagged Clone
Tag:	Tag Free
Symbol:	SR1
Synonyms:	CP-22; CP22; SCN; V19
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118176 sequence for NM_003130 edited (data generated by NextGen Sequencing)

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ATGGCGTACCCGGGGCATCCTGGCGCCGGCGGGTACTACCCAGGCGGGTATGGAGGG
GCTCCCGGAGGGCCTGCGTTTCCCGGACAACTCAGGATCCGCTGTATGGTTACTTTGCT
GCTGTAGCTGGACAGGATGGGCAGATAGATGCTGATGAATTGCAGAGATGTCTGACACAG
TCTGGCATTGCTGGAGGATACAAACCTTTTAACTGGAGACTTGCCGGCTTATGGTTTCA
ATGCTGGATAGAGATATGTCTGGCACAATGGGTTTCAATGAATTTAAAGAACTCTGGGCT
GTAATGAATGGCTGGAGACAACACTTTATCAGTTTTGACACTGACAGGAGTGGAACAGTA
GACCCACAAGAATTGCAGAAGGCCCTGACAACAATGGGATTTAGGTTGAGTCCCCAGGCT
GTGAATTTCAATTGAAAACGATACAGCACCAATGAAAAGATCACCTTCGACGACTACATC
GCCTGCTGCGTCAAACCTGAGGGCTCTTACAGACAGCTTTGAAGACGGGATACTGCTCAG
CAAGGTGTGTGAATTTCCCATATGATGATTTTCATTCAATGTGTCATGAGTGTTTAA
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Clone variation with respect to NM_003130.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003130 unedited CATATTTGTATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCGGCTGCGGC GCAGTCTGCAGCATGGCGTACCCGGGGCATCCTGGCGCCGGCGGGTACTACCCAGGC GGGTATGGAGGGGCTCCCGGAGGGCCTGCGTTTCCCGGACAACTCAGGATCCGCTGTAT GGTACTTTGCTGCTGTAGCTGGACAGGATGGGCAGATAGATGCTGATGAATTGCAGAGA TGCTGACACAGTCTGGCATTGCTGGAGGATACAAACCTTTAACCTGGAGACTTGCCGG CTTATGGTTTCAATGCTGGATAGAGATATGTCTGGCACAATGGGTTTCAATGAATTTAAA GAACTCTGGGCTGACTGAATGGCTGGAGACAACACTTTATCAGTTTTGACACTGACAGG AGTGGAACAGTAGACCCACAAGAATTGCAGAAGGCCCTGACAACAATGGGATTTAGGTTG AGTCCCCAGGCTGTGAATTCATTTGCAAAACGATACAGCACCAATGAAAAGATCACCTTC GACGACTACATCGCTGCTGCGTCAAACGAGGGCTTTACAGACAGCTTTGAAAGACGG GATACTGCTCAGCAAGGTGTTGTGAATTTCCCATATGATGATTTCAATCAATGTGTCATG AGTGTAAAATCAAGAGGAAGCTGCATGAATGTAATCAACATTCAACTGGAGCTCTCCT TTGCTTGTCTCTTTGCCCTTCTAATATGTATAAACTTACATCAGACTTTCTCTTAAC AGCTGTTGTAAGTTTATACTTTATGTACAACGAAAGTTTGNTTAAGTTTGATAATAAA ATCTTGGNAACCTAATAGATCTAGTCTGTTACACATTTAGAACTTCTGAGCCATATCAG TATGCCTTATTTCTGCTAAACTCTTGAATTAAGATGCAATGTTAGTACATATTATTTT CT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003130 unedited TTTGGCCGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGGCTTAGAGAAAAG TTTTATTTTCATTAGTTGACAACTAGTTGTTTCAGTTGAATGGTAAGTTTCACACTGCATC CTAATAAAGACAGATACTCTGCTGGCAAGTAGAAAATAGACTAATTTTCAATTTTTATCT GTTAAGCTCTCTTGATAAAAAGCAAACCAGGCCAGTTTTAAATTTAAGAAACGAAAAC ATTGTCAGTGCTTCTGTATCAACACACTTCATATTCAGAACTACTCCCAAGAGATAACA TATTATCTCCTTTTCAAAGATGGGGAAACTGAAACTGGGCATTATCTATAATGACCAAAC CACATAGTAAGAGGCACAAGCCAGCATTAGAATTCAGATCTTACTTAAAAGTGTACAGCT TAAAATTTTTTAAAAATTCCTTCCATTATAAATGTAGTACCTGCTTACTGGAGAATGTT TGGAAAAGCAGTAAGAAGGAAGAAGATGAACTCATGATCCTGACTCCCAGTGGTAGCCAG ATCAATGTTTTGGTACATACTTTCCGATACTCTGCTATGTGATTTTTTAAAGTGTGAAT ACATGGTATATCAAAATGGATGATCAGTATTTTAAAACTAAAATCTGATTTTTAAAAAGG AAAGCATATAGAAAATCTGAAAAATACTGATATAAAGAAAATTAAGTCATCTAGAAATTC CATTATCCAAAATAAACATTGGTAATATTTCCATATATTNCCCTTAGNCTTTTTCTATC AAATTTCTTTTTATAGNNTAAGCTATAATGTCCAGATTTTTAGGANNAGTAACCAAG GTTTAATAGATGACAAAAGGAACTTGGTGACAGATAGTATTTGCCCATCAAATAATTCA ACAGGTTTGAAGGGCGNGGCTAAACTCTAAGGGGAACCTGACCGGGATACCGGATACCC TTTTTGTTGNTTTATTAACCAAAGCGGTCTGAAATTACCTAGATT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_003130
Insert Size:	2060 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:	<ol style="list-style-type: none">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_003130.2</u> , <u>NP_003121.1</u>
RefSeq Size:	2030 bp
RefSeq ORF:	597 bp
Locus ID:	6717
UniProt ID:	<u>P30626</u>
Cytogenetics:	7q21.12
Domains:	EFh
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (A).</p>