

Product datasheet for RC203130

SR1 (SRI) (NM 003130) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: SR1 (SRI) (NM_003130) Human Tagged ORF Clone

Tag: Myc-DDK

Symbol: SR1

Synonyms: CP-22; CP22; SCN; V19

Mammalian Cell Neomycin

Selection:

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)ORF Nucleotide>RC203130 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATATGATGATTTCATTCAATGTGTCATGAGTGTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC203130 protein sequence

Red=Cloning site Green=Tags(s)

MAYPGHPGAGGGYYPGGYGGAPGGPAFPGQTQDPLYGYFAAVAGQDGQIDADELQRCLTQSGIAGGYKPF NLETCRLMVSMLDRDMSGTMGFNEFKELWAVLNGWRQHFISFDTDRSGTVDPQELQKALTTMGFRLSPQA

VNSIAKRYSTNGKITFDDYIACCVKLRALTDSFRRRDTAQQGVVNFPYDDFIQCVMSV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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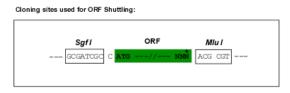


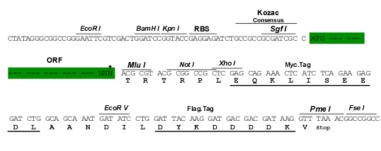
Chromatograms: https://cdn.origene.com/chromatograms/mk6055 e10.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_003130

ORF Size: 594 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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.

RefSeg: NM 003130.4

RefSeq Size: 2036 bp RefSeq ORF: 597 bp Locus ID: 6717



UniProt ID: P30626

Cytogenetics: 7q21.12

Domains: EFh

Protein Families: Druggable Genome

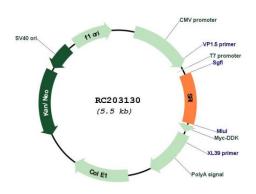
MW: 21.7 kDa

Gene Summary: This gene encodes a calcium-binding protein with multiple E-F hand domains that relocates

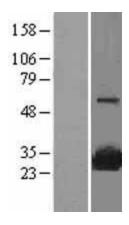
from the cytoplasm to the sarcoplasmic reticulum in response to elevated calcium levels. In addition to regulating intracellular calcium homeostasis it also modulates excitation-contraction coupling in the heart. Alternative splicing results in multiple transcript variants encoding distinct proteins. Multiple pseudogenes exist for this gene. [provided by RefSeq,

Mar 2012]

Product images:

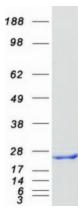


Circular map for RC203130



Western blot validation of overexpression lysate (Cat# [LY401087]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203130 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).





Coomassie blue staining of purified SRI protein (Cat# [TP303130]). The protein was produced from HEK293T cells transfected with SRI cDNA clone (Cat# RC203130) using MegaTran 2.0 (Cat# [TT210002]).