

## Product datasheet for RC220899

### SRA1 (NM\_001035235) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SRA1 (NM_001035235) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SRA1
Synonyms:	pp7684; SRA; SRAP; STRAA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC220899 representing NM_001035235 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGCGCTGCCCCGCTGGCCAAGCGGAAGTGGAGATGGCGGAGCTGTACGTGAAGCCGGGCAACAAGG  
AACCGGGCTGGAACGACCCGCCGAGTTCTCATACGGGCTGCAGACCCAGGCCGGCGGACCCAGGCGCTC  
GCTGCTTACCAAGAGGGTCGCCGACCCAGGATGGATCCCCAGAGTCCCCGCATCAGAGACTTCTCT  
GGGCTCCCCAATGGGGCTCCACCTCCTTCAAGTAAGGCTCCCAGTCCCCACCTGTGGGAGTGGTC  
CTGCCTCTGGCGTGGAGCCACAAGTTTCCAGTCGAGTCTGAGGCTGTGATGGAGGATGTGCTGAGACC  
TTTGGAACAGGCATTGGAAGACTGCCGTGGCCACACAAGGAAGCAGGTATGTGATGACATCAGCCGACGC  
CTGGCACTGCTGCAGGAACAGTGGGCTGGAGGAAAGTTGTCAATACCTGTAAAGAAGAGAATGGCTCTAC  
TGGTGCAAGAGCTTCAAGCCACCGGTGGGACGCAGCAGATGACATCCACCGCTCCCTCATGGTTGACCA  
TGTGACTGAGGTCAGTCAGTGGATGGTAGGAGTAAAAGATTAATTGCAGAAAAGAGGAGTCTGTTTTCA  
GAGGAGGCAGCCAATGAAGAGAAATCTGCAGCCACAGCTGAGAAGAACCATACCATACCGGCTTCCAGC  
AGGCTTCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC220899 representing NM\_001035235  
Red=Cloning site Green=Tags(s)

MTRCPAGQAEVEMAEL YVKPGNKERGWNDPPQFSYGLQTQAGGPRRSL T KRVAAPQDGS PRVPASETSP  
 GPPPMGPPPPSSKAPRSPVVGSPASGVEPT SFPVSEAVMEDVLRPLEQALEDCRGHTRKQV CDDISRR  
 LALLQE QWAGGKLSIPVKKRMALLVQELSSHRWDAADDIHRSLMVDHVTEVSQW MVGVKRLIAEKRS LFS  
 EEAANEKSAATAEKNHTIPGFQQAS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk8041\\_g05.zip](https://cdn.origene.com/chromatograms/mk8041_g05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001035235

**ORF Size:** 708 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_001035235.3](#), [NP\\_001030312.2](#)

**RefSeq Size:** 1534 bp

**RefSeq ORF:** 675 bp

**Locus ID:** 10011

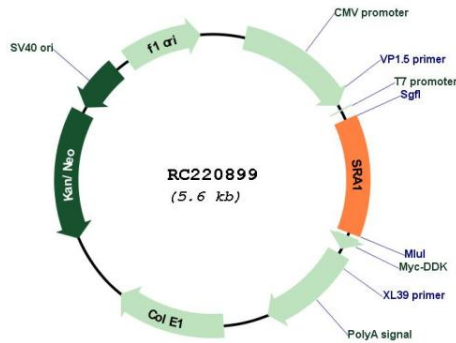
**UniProt ID:** [Q9HD15](#)

**Cytogenetics:** 5q31.3

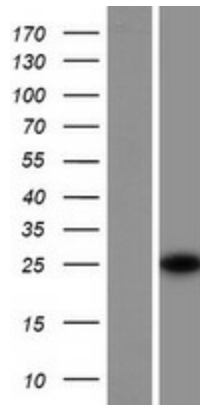
**MW:** 25.5 kDa

**Gene Summary:** Both long non-coding and protein-coding RNAs are transcribed from this gene, and they represent alternatively spliced transcript variants. This gene was initially defined as a non-coding RNA, which is a coactivator for several nuclear receptors (NRs) and is associated with breast cancer. It has now been found that this gene is involved in the regulation of many NR and non-NR activities, including metabolism, adipogenesis and chromatin organization. The long non-coding RNA transcripts interact with a variety of proteins, including the protein encoded by this gene. The encoded protein acts as a transcriptional repressor by binding to the non-coding RNA. [provided by RefSeq, Mar 2012]

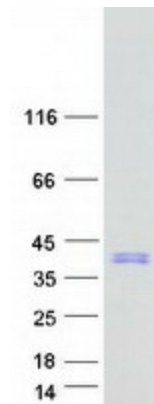
Product images:



Circular map for RC220899



Western blot validation of overexpression lysate (Cat# [LY422126]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220899 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified SRA1 protein (Cat# [TP320899]). The protein was produced from HEK293T cells transfected with SRA1 cDNA clone (Cat# RC220899) using MegaTran 2.0 (Cat# [TT210002]).