

## Product datasheet for **RG220899**

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

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** SRA1 (NM\_001035235) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** SRA1  
**Synonyms:** pp7684; SRA; SRAP; STRAA1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG220899 representing NM\_001035235  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACGCGCTGCCCCGCTGGCCAAGCGGAAGTGGAGATGGCGGAGCTGTACGTGAAGCCGGGCAACAAGG  
AACGCGGCTGGAACGACCCGCCGAGTTCTCATACGGGCTGCAGACCCAGGCCGGCGGACCCAGGCGCTC  
GCTGCTTACCAAGAGGGTAGCCGCACCCAGGATGGATCCCCAGAGTCCCCGCATCAGAGACTTCTCT  
GGGCTCCCCAATGGGGCTCCACCTCCTTCAAGTAAGGCTCCCAGTCCCACCTGTGGGAGTGGTC  
CTGCCTCTGGCGTGGAGCCACAAGTTTCCAGTCGAGTCTGAGGCTCGACTGATGGAGGATGTGCTGAG  
ACCTTTGGAACAGGCATTGGAAGACTGCCGTGGCCACACAAGGAAGCAGGTATGTGATGACATCAGCCGA  
CGCCTGGCACTGCTGCAGGAACAGTGGGCTGGAGGAAAGTTGCAATACCTGTAAAGAAGAGAATGGCTC  
TACTGGTGAAGAGCTTTCAAGCCACCGGTGGGACGCAGCAGATGACATCCACCGCTCCCTCATGGTTGA  
CCATGTGACTGAGGTCAGTCAGTGGATGGTAGGAGTTAAAAGATTAATTGCAGAAAAGAGGAGTCTGTTT  
TCAGAGGAGGCAGCCAATGAAGAGAAATCTGCAGCCACAGCTGAGAAGAACCATACCATACCAGGCTTCC  
AGCAGGCTTCA

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG220899 representing NM\_001035235  
 Red=Cloning site Green=Tags(s)

MTRCPAGQAEVEMAELYVKPGNKERGWNDPPQFSYGLQTQAGGPRRSLTKRVAAPQDGSRPVPASETSP  
 GPPPMGPPPPSSKAPRSPVVGSPASGVEPTSPVVESEARLMEDVLRPLEQALEDCRGHTRKQVCCDDISR  
 RLALLQEQWAGGKLSIPVKKRMALLVQELSSHRWDAADDIHRSLMVDHVTEVSQWMVGKRLIAEKRSLF  
 SEEAANEEKSAATAEKNHTIPGFQQAS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001035235

**ORF Size:** 711 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.

**RefSeq:** [NM\\_001035235.1](#), [NP\\_001030312.1](#)

**RefSeq Size:** 1534 bp

**RefSeq ORF:** 675 bp

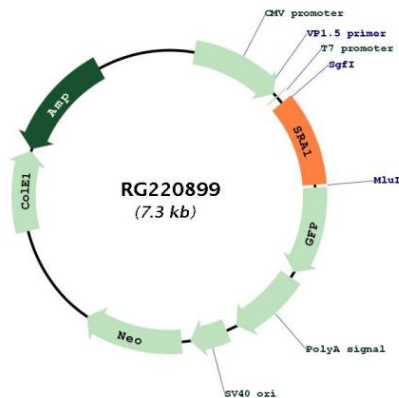
**Locus ID:** 10011

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

**Cytogenetics:** 5q31.3

**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 RG220899