

Product datasheet for **SC334479**

SRA1 (NM_001253764) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SRA1 (NM_001253764) Human Untagged Clone
Tag:	Tag Free
Symbol:	SRA1
Synonyms:	pp7684; SRA; SRAP; STRAA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001253764, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGAGCTGTACGTGAAGCCGGGTGAGCGCAGCCGGCGGGCTAGGGCACTAGGTTGTCGCCCGGCC  
TAGGCTGGGGCGGTTGCGGCGCTTAGTATGGACCCTCTGTCTCCCCAGCCCCAGTATAAGCTAACAGT  
GGAGTTCCGGGCTCGCTTACACATCCCTCGCCTCCGCAGGCAACAAGGAACGCGGCTGGAACGACCCGC  
CGCAGTTCTCATACGGGCTGCAGACCCAGGCCGGCGGACCCAGGCGCTCGCTGCTACCAAGAGGGTCGC  
CGCACCCAGGATGGATCCCCAGAGAAGCAGGTATGTGATGACATCAGCCGACGCTGGCACTGCTGCA  
GGAACAGTGGGCTGGAGAAAAGTTGTCAATACCTGTAAGAAGAGAATGGCTCTACTGGTGAAGAGCTT  
TCAAGCCACCGGTGGGACGCAGCAGATGACATCCACCGCTCCCTCATGGTTGACCATGTGACTGAGGTCA  
GTCAGTGGATGGTAGGAGTTAAAAGATTAATTGCAGAAAAGAGGAGTCTGTTTTTCAGAGGAGGCAGCCAA  
TGAAGAGAAATCTGCAGCCACAGCTGAGAAGAACCATACCATACCAGGCTTCCAGCAGGCTTCATAA
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001253764
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_001253764.1](#), [NP_001240693.1](#)

RefSeq Size: 1270 bp

RefSeq ORF: 627 bp

Locus ID: 10011

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]

Transcript Variant: This variant (2) retains a segment in the 5' coding region and lacks a downstream coding exon, compared to variant 1. The encoded isoform (2) is shorter and has a distinct segment in the N-terminal region, compared to isoform 1.