

## Product datasheet for SC111123

### SART3 (NM\_014706) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SART3 (NM_014706) Human Untagged Clone
Tag:	Tag Free
Symbol:	SART3
Synonyms:	DSAP1; P100; p110; p110(nrb); RP11-13G14; TIP110
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111123 sequence for NM_014706 edited (data generated by NextGen Sequencing)

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ATGGCGACTGCGCCGAAACCTCGGCTTCAGAACCCGAGGCTGAGTCCAAGGCTGGGCC
AAGGCTGACGGAGAGGAGGATGAGGTTAAGGCGGCTAGGACAAGGAGAAAAGGTGTTATCG
CGGGCTGTGGCCGCTGCGACATACAAGACCATGGGGCCAGCGTGGGATCAGCAGGAGGAA
GGCGTGAGCGAGAGCGATGGGGATGAGTACGCCATGGCTTCTCCGCGGAGAGCTCCCC
GGGGAGTACGAGTGGGAATATGACGAAGAGGAGGAGAAAAACCAGCTGGAGATTGAGAGA
CTGGAGGAGCAGTTGTCTATCAACGTCTATGACTACAACCTGCCATGTGGACTTGATCAGA
CTGCTCAGGCTGGAAGGGGAGCTTACCAAGGTGAGGATGGCCCGCAGAAGATGAGTGAA
ATCTTTCCCTTGACTGAAGAGCTCTGGCTGGAGTGGCTGCATGACGAGATCAGCATGGCC
CAGGATGGCCTGGACAGAGACAGTGTATGACCTCTTTGAGAAAAGCCGTAAGGATTAC
ATTTGTCCCTAACATTTGGCTAGAGTATGGCCAGTACTCAGTTGGTGGGATTGGTCAGAAA
GGTGGCCTTGAGAAAGTTTCGCTCCGTGTTTGAAGGGCTCTCTCGTCTGTTGGTTACAT
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GATATGGAGGCCACATTTGCAGAGTATGAAGAATGGTCAGAAGACCCAATACCAGAGTCA
GCAATTCAGAATAAACAAGCACTACAGCAGCTGGAGAAAATATAAACCTATGAAGAA
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ATGAAAATTGGCGATCCTGCTCGCATTCAAGTTGATCTTTGAGCGCGCCCTGGTCGAGAAC
TGCCCTTGCCAGACTTATGGATCCGTTACAGTACAGTACCTAGATCGACAAGTAAAGTA
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TTATGGAGTCCGTACCTCTGGCCATGGAGAGACATGGAGTTGATCATCAAGTAATTTCT
GTAACCTTCGAGAAAGCTTTGAATGCCGCTTCATCCAGGCCACTGATTATGTGGAGATT
TGGCAGGCATACCTTGATTACCTGAGGAGAAGGGTTGATTTCAAACAAGACTCCAGTAA
GAGCTGGAGGAGTTGAGGGCCGCTTTACTCGTGCCTTGAGTATCTGAAGCAGGAGGTG
GAAGAGCGTTTCAATGAGAGTGGTGATCCAAGCTGCGTGATTATGCAGAAGTGGGCTAGG
ATTGAGGCTCGACTGTGAATAACATGCAGAAAGCTCGGGAAGTCTGGGATGCATCATG

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<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_014706 unedited NTTTTAACTCTGGNACCGCGCCGCAATCTAGNGTCGAGTTTTTTTTTTTTTTTTTTTTTTTT TTTTTTGTACTTACAAAAGTTCTATTTACACATCTATTAGGTAAGCAAGGTACACCCAC TTCAAAACACATCTGTATGTGAATGCACATCTGAGTACCATTTCAGCAAGAAGTTTTGAAG AGAACGTCAGTTAATAAAGCTAAATGGGGAGAATTGAAGTTGCATTTGACATGGTATT AAACAAAACCAAAGGGCTGAAACTCATGTTTAGACAACACAGGTCAGTACTAGTACTAGGCA AAGAAAACAGATCCACAGCAGGGGGCACAATAATTCTATACAAAACAAATGTTGCAAA TATTCTGCTTTTAGGAAACATGAAACAAGGGCTGACATGTCATTTACAAACACATAATAT AAAAATGCACAGCCCCATTGAACAAAACCTCCAGCAAATGTTTTATAGCTGACTTCCCTCA GACCCACCCCAAGAGGCCATTCTGTGAATTACTAGCATCTGCCATTTTCATCTTTTAA AATTAAGAATGACGGGCACATGTGCTGTGCAGGGTGAAGAGAAGTGCATACAAAAA GGGGCCGAGCTGGCCAGAAACATTTGGACAACGTGTCTCAAAAACAGTGTGTTCTCGT TTCGTTCTGCGCCTCAGTCTTTAAGATACCAAATCTTAGGACACCACATTCCTGGG CCCAGCCTGCAGAGTGGCCACTTTCTGCCACTGCTCAATCTGAGGGAGCACTGGAAG GGCTTTGACTTAAACCCCTTTCCCTTTTGTCTAAAGCCGGGAGCCATCTGGGGGTG GCAAAACCCACCACCAAGCCTGTTCTCCCTGTACTGGTTTTGGTGGCCGGCCCCC CGCCCAATCCAAAAGGCCTCCCTTCTTCAACGTTTCGTTTCT
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_014706
<b>Insert Size:</b>	3900 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_014706.2</a> , <a href="#">NP_055521.1</a>
<b>RefSeq Size:</b>	3776 bp
<b>RefSeq ORF:</b>	2892 bp
<b>Locus ID:</b>	9733
<b>UniProt ID:</b>	<a href="#">Q15020</a>
<b>Cytogenetics:</b>	12q23.3
<b>Domains:</b>	RRM, HAT

**Gene Summary:**

The protein encoded by this gene is an RNA-binding nuclear protein that is a tumor-rejection antigen. This antigen possesses tumor epitopes capable of inducing HLA-A24-restricted and tumor-specific cytotoxic T lymphocytes in cancer patients and may be useful for specific immunotherapy. This gene product is found to be an important cellular factor for HIV-1 gene expression and viral replication. It also associates transiently with U6 and U4/U6 snRNPs during the recycling phase of the spliceosome cycle. This encoded protein is thought to be involved in the regulation of mRNA splicing. [provided by RefSeq, Jul 2008]