

## Product datasheet for **SC105930**

### **SART3 (BC015627) Human Untagged Clone**

#### Product data:

|                           |                                                                                                  |
|---------------------------|--------------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                              |
| Product Name:             | SART3 (BC015627) Human Untagged Clone                                                            |
| Tag:                      | Tag Free                                                                                         |
| Symbol:                   | SART3                                                                                            |
| Synonyms:                 | DSAP1; P100; p110; p110(nrb); RP11-13G14; TIP110                                                 |
| Mammalian Cell Selection: | None                                                                                             |
| Vector:                   | <u>pCMV6-XL5</u>                                                                                 |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                                           |
| Fully Sequenced ORF:      | >NCBI ORF sequence for BC015627, the custom clone sequence may differ by one or more nucleotides |

CTTCTGTCCGAAGTTGTGTCGGAACGCATGCCATTATAATGAGTTTTATATCTGGTGGGAGCTTTTACA  
AGGGTATAAAATAATGTGAATTTAGTGTATGTGGAGATTTTCTGTTATCTAAGTTCCAGTTTCTCTTT  
CAATGGCAAGAAAACGGGTTTTTGATAAGGCGCGCGCCGCGGCAGCTTCTGCCTCAGCGGGTCTTCGGC  
GGCCGCGGGAAGACCCGAGAGTCATTAGAAGCGCAAGATGGCGACTGCGGCCGAAACCTCGGCTTCAGAA  
CCCGAGGCTGAGTCCAAGGCTGGGCCAAGGCTGACGGAGAGGAGGATGAGGTTAAGGCGGCTAGGACAA  
GGAGAAAGGTGTTATCGCGGGCTGTGGCCGCTGCGACATACAAGACCATGGGGCCAGCGTGGGATCAGCA  
GGAGGAAGGCGTGAGCGAGAGCGATGGGGATGAGTACGCCATGGCTTCTCCGCGGAGAGCTCCCCCGGG  
GAGTACGAGTGGGAATATGACGAAGAGGAGGAGAAAAACAGCTGGAGATTGAGAGACTGGAGGAGCAGG  
TGGGCCCGGGGGTGGGCAGCGGGCATCTTCCAGTCTTTCAGGTCTCTCGGGTCCCCATGTCTTGCCCGCC  
TCCCTAGTCTCTCGGCGGCGATAAAGCCGCCAAGGCTGCAAACCCGTTTTTCGTGACAGTAGCTCTGTGCG  
GATTTGAGTGCTTACTGCCTGCCATTGCCTTGCAAACGTTATCTCATTGAATCCTCGCCACGACCCTGT  
GAAGGAAGCCCTGTTATCTATCCCCATTTTACTGGAGGAACTGAGGCTCGTGGAGGAAAGTCTCTTGCT  
CAAGATAACACTTCTGCAAGTCAGGCCTTGACTTTGATCCCATTCCAGAACTCCCACTCTTAACCACA  
CGTCCAACAGTAGAAATAAACTCATTGCAAGAGAGTGTTATTTTGTTATGTAGGAATGACGGCGATGAT  
GAAACTTGTGGTAAGAAAAATATTGACCGCGATGGTGATAATAGAAATGGAAAGTTTCTGGTTCTGGAG  
GTTAAGGCTCAGTTCTAGCTGTTCAACTCTTGATGTGCTTGTAAGAATTTCTTAATTTCTCACCCCT  
CTCGACTTCTTATCTGCAGATTGGGAGCAACAATTTCTGCATAATATAATTGTTGTAACAGTAAAAAAA  
AAAAAAAAAAAAAAAAAAAAAAAAAAAA



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|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for BC015627 unedited</p> <pre> GTTACATATAGNATACGACTCACTATAGGGCGGCCGCGAAATTCGCACGAGGCGCAAGA TGGCGACTGCGGCCGAAACCTCGGCTTCAGAACCCGAGGCTGAGTCCAAGGCTGGGCCCA AGGCTGACGGAGAGGAGGATGAGGTTAAGGCGGCTAGGACAAGGAGAAAGGTGTTATCGC GGGCTGTGGCCGCTGCGACATACAAGACCATGGGGCCAGCGTGGGATCAGCAGGAGGAAG GCGTGAGCGAGAGCGATGGGGATGAGTACGCCATGGCTTCCTCCGCGAGAGCTCCCCCG GGGAGTACGAGTGGGAATATGACGAAGAGGAGGAGAAAAACCAGCTGGAGATTGAGAGAC TGGAGGAGCAGTTGTCTATCAACGTCTATGACTACAACTGCCATGTGGACTTGATCAGAC TGCTCAGGCTGGAAGGGGAGCTTACCAAGGTGAGGATGGCCCGCCAGAAGATGAGTGAAA TCTTTCCTTGACTGAAGAGCTCTGGCTGGAGTGGCTGCATGACGAGATCAGCATGGCCC AGGATGGCTGGACAGAGAGCACGTGTATGACCTCTTTGAGAAAGCCGTGAAGGATTACA TTTGTCTAACATTTGGCTAGAGTATGGCCAGTACTCAGTTGGTGGGATTGGTCAGAAAG GTGGCCTTGAGAAAGTTCGCTCCGTGTTTGAAAGGGCTCTCTCGTCTGTTGGTTTACATA TGACAAAAGACTCGCCCTCNTGGAGGCTTACCGAGAGTTTGAAAGTGCATTGTGGAAG CTGCTNCGCTTGAGAAAGNCACAGTCTTTCCCGCGACAGTTGGCGATCCCACTCTATGA TATGGAGGCCACATTTGCACAGTTGAAGAATGGTCAGAAGACCCATACCANNAGTCAGTA TTCAGAACTATACAAAGCCTACAGCAGCTGGAGAATATAACCCTATGAAGAACACTNTG </pre> |
| <b>Restriction Sites:</b>           | NotI-NotI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ACCN:</b>                        | BC015627                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Insert Size:</b>                 | 4000 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="#">BC015627.1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>RefSeq Size:</b>                 | 1217 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>RefSeq ORF:</b>                  | 1217 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Locus ID:</b>                    | 9733                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Cytogenetics:</b>                | 12q23.3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

**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]