

Product datasheet for **SC212472**

SART1 (NM_005146) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: SART1 (NM_005146) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: SART1
Synonyms: Ara1; HAF; HOMS1; SART1259; SNRNP110; Snu66
ACCN: NM_005146
Insert Size: 1137 bp
Insert Sequence: >SC212472 3'UTR clone of NM_005146
The sequence shown below is from the reference sequence of NM_005146. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AGCATGAACGCGAACACCATCACCAAGTGA CAGCGCCCTCCCGCCCCGGCCTGCCTCAACCTTCATAT
TAAATAAAGCTCCCTCCTTATTTTTTCCCTCCCTGGTCGTGGTACAGATTCCAGGGTTGGATCTTTGGTT
GGGTGTGGCACAGAGTCTGGCTCCTGCTAGGTGAGACCTGGCCATCAAATGACACAAACAATAACGA
TGAAGAGAGAGCGAGCCGGTCTCTAAGGCTCCTTCTCCCTGGCTGTCGGTACACCTCTG
CAGGGCCGGCTCTCTGATAGAAAGTGAAGGCGGTTTTAGAACTCATCACCTGCTCTCTCTGGCCT
CGGGGGCTGCACAGGTCCTGCTGTAATGTCTCCCGGTGAGGGCAGCCAGGACTGCCAGCCTGGT
GGGCTGGGATTGGGCTTTGGGTAGGGCACAGGTGCCACCTTCTGTCTGGCTGTCCTGTGCCACCTG
GTCTGTGTCTAGAGGAGTGAACTCCCAGGTTGGGCTGGGAGTATTTGGTGACGCGGTATGGGGAGG
GCTGAGCTCAGTGCCTCCTGGGAGACTTGTCCCGTGTACAGTGACCCAGAAAGATGAGATTCCTTGGCC
TGAACCTGTGATAGAGTGTGACTGAGCTGCTGGGGACATGTGAGCCTCAAATCCATAGAAAGACAAA
CGCCACCTTGGGTGCCAGGATACTGGTGCCTGGCCCCACGTACCCACATACTTCTCAGATGGCTC
CCACATTTAAGATTTTAAAAATGAAACCAAAAAATAAATTGAAGAAAAGTAAACTTTAAGAATAA
TCAGCTGGGCGCAGTGGCTCATGCTTGAATCACAGCACTTTAGGAGGCTGAGGCAGGAGGACTGTTG
AGCCCAGGAGTTTGAGACCAACCTGAGTAAGGTGGCAAAACCCATCTCTACAAAAATACAAAGATTA
GCCAGGCGTGGTGGTGAAGCCTGTAGTCCCAGCTACTTGGGATGCTGAGGTGGGAGGATCACTTGAAC
CTGGGAGACACAGGCTGCAGTGGGCCCTGATTGAGCCACCACACTGCAGCCTAGGTGACAGTCAGACCC
TGCTCAAAAAAATAAAAAAATTTAAATAA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: Sgfl-Mlul



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_005146.5</u>
Summary:	This gene encodes two proteins, the SART1(800) protein expressed in the nucleus of the majority of proliferating cells, and the SART1(259) protein expressed in the cytosol of epithelial cancers. The SART1(259) protein is translated by the mechanism of -1 frameshifting during posttranscriptional regulation; its full-length sequence is not published yet. The two encoded proteins are thought to be involved in the regulation of proliferation. Both proteins have tumor-rejection antigens. The SART1(259) protein possesses tumor epitopes capable of inducing HLA-A2402-restricted cytotoxic T lymphocytes in cancer patients. This SART1(259) antigen may be useful in specific immunotherapy for cancer patients and may serve as a paradigmatic tool for the diagnosis and treatment of patients with atopy. The SART1(259) protein is found to be essential for the recruitment of the tri-snRNP to the pre-spliceosome in the spliceosome assembly pathway. [provided by RefSeq, Jul 2008]
Locus ID:	9092
MW:	42