



# Recombinant Human U4/U6.U5 tri-snRNP-associated protein 1 (SART1)

<b>Product Code</b>	CSB-EP020711HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O43290
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>MGSSKKHRGE KEAAGTTAAA GTGGATEQPP RHREHKKHKH  RSGGSGGSGG ERRKRSRERG GERGSGRGA EAEARSSTHG  RERSQAEPSE RRVKREKRDD GYEAASSKT SSGDASSLSI EETNKLRAKL  GLKPLEVNAI KKEAGTKEEP VTADVNPMA LRQREELREK LAAAKEKRL  NQKLGKIKTL GEDDPWLDDT AAWIERSRQL QKEKDLAEKR AKLLEEMDQE  FGVSTLVEEE FGQRRQDLYS ARDLQGLTVE HAIDSFREGE TMILTLDKDG  VLQEEEDVLV NVNLVDKERA EKNVELRKKK PDYLPYAEDE SVDDLAQQKP  RSILSKYDEE LEGERPHSFR LEQGGTADGL RERELEEIRA KLRLQAQSL  TVGPRLASEY LTPEEMVTFK KTKRRVKKIR KKEKEVVVRA DDLLPLGDQT  QDGDGFSRLR GRGRRRVSEV EEEKEPVPQP LPSDDTRVEN MDISDEEEGG  APPPGSPQVL EEDEAELELQ KQLEKGRRLR QLQQLQQLRD SGEKVVEIVK  KLESRQRGWE EDEDPERKGA IVFNATSEFC RTLGEIPTYG LAGNREEQEE  LMDFERDEER SANGGSESDG EENIGWSTVN LDEEKQQQDF SASSTILDE  EPIVNRGLAA ALLLCQNKGL LETTVQKVAR VKAPNKSLPS AVYCIEDKMA  IDDKYSRREE YRGFTQDFKE KDGYPDVKI EYVDETGRKL TPKEAFRQLS  HRFHGKGS GK MKTERRMKKL DEEALLKMS SSDTPLGTVA LLQEKQKAQK  TPYIVLSGSG KSMNANTITK</p>
<b>Source</b>	E.coli
<b>Target Names</b>	SART1
<b>Protein Names</b>	Recommended name: U4/U6.U5 tri-snRNP-associated protein 1 Alternative name(s): SNU66 homolog Short name= hSnu66 Squamous cell carcinoma antigen recognized by T-cells 1 Short name= SART-1 Short name= hSART-1 U4/U6.U5 tr
<b>Expression Region</b>	1-800
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	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.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.