

Recombinant Human SART3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SART3-4416H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SART3 MS Standard C13 and N15-labeled recombinant protein (NP_055521) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	109.9 kDa
AA Sequence	MATAAETSASEPEAESKAGPKADGEEDEVKAARTRRKVLSRAVAAATYKTMGPAW DQQEEGVSESDGDEYAMASSAESSPGEYEWYDEEEKNQLEIERLEEQLSINVYD YNCHVDLIRLLRLEGELTKVRMARQKMSEIFPLTEELWLEWLHDEISMAQDGLDREH VYDLFEKAVKDYICPNIWLEYGQYSVGGIGQKGGLEKVRSVFERALSSVGLHMTKGL ALWEAYREFESAIVEAARLEKVHSLFRRQLAIPLYDMEATFAEYEEWSEDPPIESVIQ

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NYNKALQQLEKYKPYEEALLQAEAPRLAEYQAYIDFEMKIGDPARIQLIFERALVENC
 LVPDLWIRYSQYLDRQLKVVDLVLVSVHNRAIRNCPWTVALWSRYLLAMERHGVVDHQ
 VISVTFEKALNAGFIQATDYVEIWQAYLDYLRRRVDFKQDSSKELEELRAAFTRALEY
 LKQEEVERFNESESGDPSCVIMQNWARIEARLCNNMQKARELWDSIMTRGNAKYANM
 WLEYYNLERAHGDTQHCRKALHRAVQCTSDYPEHVCEVLLTMERTEGSLEDWDIA
 VQKTETRLARVNEQRMKAAEKEAALVQQEEEEKAEQRKRARAEEKKALKKKKKKIRGPE
 KRGADEDDEKEWGDDEEEQPSKRRRVENSIPAAGETQNVEVAAGPAGKCAAVDVE
 PPSKQKEKAASLKRDMPKVLHDSSKDSITVFSNLPYSMQEPDTKLRLPLFEACGEVV
 QIRPIFSNRGDFRGYCYVEFKEEKSALQALEMDRKSVEGRPMFVSPCVDKSKNPDF
 KVFRYSTSLEKHKLFIISGLPFSCSTKEELEEEICKAHGTVKDLRLVTNRAGKPKGLAYVE
 YENESQASQAVMKMDGMTIKENIIKVAISNPPQRKVPEKPETRKAPGGPMLLPQTYG
 ARGKGRTQLSLLPRALQRPSAAAPQAENGPAAPAVAAPAATEAPKMSNADFALF
 LRKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SART3 squamous cell carcinoma antigen recognized by T cells 3 [Homo sapiens (human)]

Official Symbol SART3

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Synonyms	SART3; squamous cell carcinoma antigen recognized; squamous cell carcinoma antigen recognised by T cells 3; squamous cell carcinoma antigen recognized by T-cells 3; KIAA0156; RP11 13G14; SART-3; hSART-3; tat-interacting protein of 110 kDa; P100; p110; DSAP1; TIP110; p110(nrb); RP11-13G14; MGC138188;
Gene ID	9733
mRNA Refseq	NM_014706
Protein Refseq	NP_055521
MIM	611684
UniProt ID	Q15020
SDS-PAGE	