

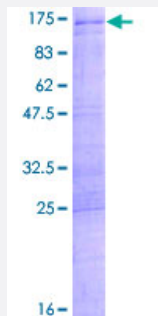
Full-Length

SART1 (Human) Recombinant Protein (P01)

Catalog # H00009092-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human SART1 full-length ORF (NP_005137.1, 1 a.a. - 800 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MGSSKKHRGEKEAAGTTAAAGTGGATEQPPRHREHKHKHRSGGSGGSGGERRKRSRERGGE
RSGRREGAEAEARSSTHGRERSQAEPSEERRVKREKRDDGYEAAASSKTSSGDASSLSIEETNK
LRAKLGKPLEVNAIKKEAGTKEEPVTADVNPMLRQREELREKLAAAKEKRLNQLGKIKTLG
EDDPWLDDTAAWIERSRQLQKEKDLAEKRAKLEEMDQEFVSTLVEEEFGQRRQDLYSARDL
QGLTVEHAIDSFREGETMILTLDKGVLQEEEDVLVNVNLVDKERAENVELRKKKPDYLPYAED
ESVDDLAQQKPRSILSKYDEELEGERPHSFRLEQGGTADGLRERELEEIRAKLRLQAQSLSTVGP
RLASEYLTPEEMVTFKKTRRVKKIRKKEKEVVVRADDLLPLGDQTQDGFSGRLRGRGRRRVS
EVEEEKEPVPQPLPSDDTRVENMDISDEEEGGAPPPGSPQVLEEDEAELELQKQLEKGRRRLRQ
LQQLQQLRDSGEKVVEIVKKLESRQRGWEEDEDPERKGAIVFNATSEFCRTLGEIPTYGLAGNRE
EQEELMDFERDEERSANGGSESDGEENIGWSTVNLDEEKQQQDFSASSTILDEEPIVNRGLAA
ALLLCQNKGLLETTVQKVARVKAPNKSLSAVYCIEDKMAIDDKYSRREEYRGFTQDFKEKDGK
PDVKIEYVDETGRKLTPKEAFRQLSHRFHGKSGGKMKTERRMKKLDEEALLKKMSSSDTPLGTV
ALLQEKQKAQKTPYVLSGSGKSMNANTTK

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

116.7

Interspecies Antigen Sequence

Mouse (94); Rat (94)

Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SART1

Entrez GeneID	9092
GeneBank Accession#	NM_005146.3
Protein Accession#	NP_005137.1
Gene Name	SART1
Gene Alias	Ara1, HOMS1, MGC2038, SART1259, SNRNP110, Snu66
Gene Description	squamous cell carcinoma antigen recognized by T cells
Omim ID	605941
Gene Ontology	Hyperlink

Gene 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]

Other Designations

IgE autoantigen|SART1(259) protein|SART1(800) protein|U4/U6.U5 tri-snRNP-associated 110 kDa protein|small nuclear ribonucleoprotein 110kDa (U4/U6.U5)|squamous cell carcinoma antigen recognised by T cells|squamous cell carcinoma antigen recognized by T cell

Disease

- [Adenocarcinoma](#)
- [Genetic Predisposition to Disease](#)
- [Male Urogenital Diseases](#)
- [Pancreatic Neoplasms](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)