Recombinant Human SART3 Protein (600-900 aa), His-SUMO-tagged

Cat. No. SART3-1016H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SART3 Protein (600-900 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Cancer. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	600-900 aa
Description	U6 snRNP-binding protein that functions as a recycling factor of the splicing machinery. Promotes the initial reassbly of U4 and U6 snRNPs following their ejection from the spliceosome during its maturation . Also binds U6atac snRNPs and may function as a recycling factor for U4atac/U6atac spliceosomal snRNP, an initial step in the assbly of U12-type spliceosomal complex. The U12-type spliceosomal complex plays a role in the splicing of introns with non-canonical splice sites . May also function as a substrate-targeting factor for deubiquitinases like USP4 and USP15. Recruits USP4 to ubiquitinated PRPF3 within the U4/U5/U6 tri-snRNP complex, promoting PRPF3 deubiquitination and thereby regulating the spliceosome U4/U5/U6 tri-snRNP spliceosomal complex disassbly . May also recruit the deubiquitinase USP15 to histone H2B and mediate histone deubiquitination, thereby regulating gene expression and/or DNA repair . May play a role in hatopoiesis probably through transcription regulation of specific genes including MYC.

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Form	Tris-based buffer, 50% glycerol
Molecular Mass	49.8 kDa
AA Sequence	QRKRARAEKKALKKKKKIRGPEKRGADEDDEKEWGDDEEEQPSKRRRVENSIPAA GETQNVEVAAGPAGKCAAVDVEPPSKQKEKAASLKRDMPKVLHDSSKDSITVFVSN LPYSMQEPDTKLRPLFEACGEVVQIRPIFSNRGDFRGYCYVEFKEEKSALQALEMDR KSVEGRPMFVSPCVDKSKNPDFKVFRYSTSLEKHKLFISGLPFSCTKEELEEICKAH GTVKDLRLVTNRAGKPKGLAYVEYENESQASQAVMKMDGMTIKENIIKVAISNPPQR KVPEKPETRKAPGGPMLLP
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name	SART3 squamous cell carcinoma antigen recognized by T cells 3 [Homo sapiens]
Official Symbol	SART3
Synonyms	SART3; KIAA0156; RP11 13G14; SART-3; hSART-3; P100; p110; DSAP1; TIP110; p110(nrb); RP11-13G14; MGC138188;

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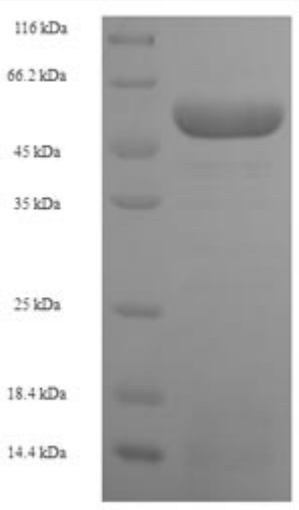
Gene ID	9733
mRNA Refseq	NM_014706
Protein Refseq	NP_055521
MIM	611684
UniProt ID	Q15020



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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