

Recombinant Human SAR1A protein, T7-tagged

Cat. No. SAR1A-123H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human SAR1a (198 aa) fused with T7 Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	198 a.a.
Form	0.5 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGQQMGRGEFMSFIFEWIYNGFSSVLQFLGLYKKSGKLVFLGLDNAGKTTL LHMLKDDRLGQHVPTLHPT SEELTIAGMTFTTFDLGGHEQARRVWKNYLPAINGIVF LVDCADHSRLVESKVELNALMTDETISNVPILILGNK IDRTDAISEEKLREIFGLYGQT TGKGNVTLKELNARPMEVFMCSVLKRQGYGEGFRWLSQYID
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro receptor membrane trafficking regulation study with recombinant SAR1a protein intracellular delivery methods.2. As soluble/native protein, may be used as enzymatic substrate protein for ubiquitin assay.3. May be used for mapping protein-protein interaction assay.4. May be used as antigen for specific antibody development.

 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

Storage Keep at -80°C for long term storage. Product is stable at 4 °C for at least 15 days.

GENE INFORMATION

Gene Name SAR1A SAR1 homolog A (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol SAR1A

Synonyms SAR1A; SAR1 homolog A (*S. cerevisiae*); SARA1; masra2;

Gene ID 56681

mRNA Refseq NM_001142648

Protein Refseq NP_001136120

MIM 607691

UniProt ID Q9NR31

Chromosome Location 10q22.1

Pathway COPII complex, organism-specific biosystem; Legionellosis, organism-specific biosystem; Legionellosis, conserved biosystem; Protein processing in endoplasmic reticulum, organism-specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem;

Function GTP binding; GTPase activity; nucleotide binding;

 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