

## Recombinant Human SAR1A protein, T7-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant human SAR1a (198 aa) fused with T7 Tag at N-terminal was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	198 a.a.
<b>Form</b>	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.
<b>AA Sequence</b>	MASMTGGQQMGRGEFMSFIFEWIYNGFSSVLQFLGLYKKSGLVFLGLDNAGKTTL LHMLKDDRLGQHVPTLHPT SEELTIAGMTFTTDFDLGGHEQARRVWKNYLPAINGIVF LVDCADHSRLVESKVELNALMTDETISNVPILILGNK IDRTDAISEEKLREIFGLYGQT TGKGNVTLKELNARPMVEVFMCSVLKRQGYGEGFRWLSQYID
<b>Purity</b>	>90% by SDS-PAGE
<b>Applications</b>	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.

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**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;

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