

Recombinant Human SAR1A, His-tagged

Cat. No. SAR1A-31381TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SAR1 fused to His tag at N terminus; amino acids 1-198 , 24.5 kDa.
Species	Human
Source	E.coli
ProteinLength	1-198 a.a.
Description	SAR1A or Sar1 is a protein involved in membrane trafficking. It is a GTPase found in COPII vesicles. It regulates the assembly and disassembly of COPII coats.
Conjugation	HIS
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MSFIFEWIYN GFSSVLQFLG LYKKSGLVF LGLDNAGKTT LLHMLKDDRL GQHVPTLHPT SEELTIAGMT FTTFDLGGHE

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QARRVWKNYL PAINGIVFLV DCADHSRLVE SKVELNALMT DETISNVPIL
ILGNKIDRTD AISEEKLREI FGLYGQTTGK GNVTLKELNA RPMEVFMCSV
LKRQGYGEGF RWLSQYID

**Sequence
Similarities**

Belongs to the small GTPase superfamily. SAR1 family.

Full Length

Full L.

GENE INFORMATION

Gene Name

[SAR1A SAR1 homolog A \(S. cerevisiae\) \[Homo sapiens \]](#)

Official Symbol

[SAR1A](#)

Synonyms

SAR1A; SAR1 homolog A (S. cerevisiae); SAR1a gene homolog (S. cerevisiae) 1 ,
SAR1a gene homolog 1 (S. cerevisiae) , SARA1; GTP-binding protein SAR1a; SAR1;
Sara;

Gene ID

[56681](#)

mRNA Refseq

[NM_001142648](#)

Protein Refseq

[NP_001136120](#)

MIM

[607691](#)

Uniprot ID

[Q9NR31](#)

**Chromosome
Location**

10q22.1

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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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