

Recombinant Human SAR1A 293 Cell Lysate

Cat. No. SAR1A-2065HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for SAR1 homolog A (<i>S. cerevisiae</i>) (SAR1A), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	SAR1A SAR1 homolog A (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	SAR1A
Synonyms	SAR1A; SAR1 homolog A (<i>S. cerevisiae</i>); SAR1a gene homolog (<i>S. cerevisiae</i>) 1 , SAR1a gene homolog 1 (<i>S. cerevisiae</i>) , SARA1; GTP-binding protein SAR1a; SAR1; Sara; SAR1 gene homolog A; SAR1a gene homolog 1; COPII-associated small GTPase; 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;

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Function

GTP binding; GTPase activity; nucleotide binding;

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