

Recombinant Human SAR1A 293 Cell Lysate

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

SPECIFICATION

Product Overview

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.

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

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; 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,

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conserved biosystem;

Function

GTP binding; GTPase activity; nucleotide binding;

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