

Recombinant Human SAR1B 293 Cell Lysate

Cat. No. SAR1B-2063HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for SAR1 homolog B (<i>S. cerevisiae</i>) (SAR1B), transcript variant 1 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	SAR1B SAR1 homolog B (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	SAR1B
Synonyms	AR1B; SAR1 homolog B (<i>S. cerevisiae</i>); ANDD; CMRD; GTBPB; SARA2; GTP-binding protein SAR1b; 2310075M17Rik; SAR1a gene homolog 2; GTP-binding protein B; GTP-binding protein Sara; SAR1B; EC 3.6.5
Gene ID	51128
mRNA Refseq	NM_001033503
Protein Refseq	NP_001028675
MIM	607690
UniProt ID	Q9Y6B6
Chromosome Location	5q31.1
Pathway	Adaptive Immune System; COPII complex; Lipid digestion; Post-translational protein modification; Protein processing in endoplasmic reticulum; Transport to the Golgi and subsequent modification; MHC class II antigen presentation
Function	GTP binding; GTPase activity; metal ion binding

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