

## Recombinant Human GAR1 293 Cell Lysate

**Cat. No.** GAR1-6021HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for GAR1 ribonucleoprotein homolog (yeast) (GAR1), 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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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

<b>Gene Name</b>	<a href="#">GAR1</a> <a href="#">GAR1 ribonucleoprotein homolog (yeast) [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">GAR1</a>
<b>Synonyms</b>	<a href="#">GAR1 ribonucleoprotein homolog (yeast); 14264; Ensembl:ENSG00000109534; H/ACA ribonucleoprotein complex subunit 1;snoRNP protein GAR1;nucleolar protein family A member 1;nucleolar protein family A, member 1 (H/ACA small nucleolar RNPs); NOLA1</a>
<b>Gene ID</b>	<a href="#">54433</a>
<b>mRNA Refseq</b>	<a href="#">NM_018983.3</a>
<b>Protein Refseq</b>	<a href="#">NP_061856.1</a>
<b>MIM</b>	<a href="#">606468</a>
<b>UniProt ID</b>	<a href="#">Q9NY12</a>
<b>Chromosome Location</b>	<a href="#">4q25</a>
<b>Pathway</b>	<a href="#">H/ACA ribonucleoprotein complex, organism-specific biosystem; Ribosome biogenesis in eukaryotes, organism-specific biosystem; Ribosome biogenesis in eukaryotes, conserved biosystem;</a>
<b>Function</b>	<a href="#">cation channel activity; pseudouridine synthase activity; snoRNA binding;</a>

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