

Recombinant Mouse Gar1 Protein, Myc/DDK-tagged

Cat. No. Gar1-4456M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length nucleolar protein family A, member 1 (H/ACA small nucleolar RNPs) (cDNA clone MGC:28064 IMAGE:3709271),, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Required for ribosome biogenesis and telomere maintenance. Part of the H/ACA small nucleolar ribonucleoprotein (H/ACA snoRNP) complex, which catalyzes pseudouridylation of rRNA. This involves the isomerization of uridine such that the ribose is subsequently attached to C5, instead of the normal N1. Each rRNA can contain up to 100 pseudouridine ('psi') residues, which may serve to stabilize the conformation of rRNAs. May also be required for correct processing or intranuclear trafficking of TERC, the RNA component of the telomerase reverse transcriptase (TERT) holoenzyme.
Molecular Mass	22.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Gar1 GAR1 ribonucleoprotein \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Gar1](#)

Synonyms Gar1; GAR1 ribonucleoprotein; N; GA; Nola1; AA409823; AI326794; C430047J18Rik; H/ACA ribonucleoprotein complex subunit 1; GAR1 ribonucleoprotein homolog; H/ACA small nucleolar RNPs; nucleolar protein family A member 1; nucleolar protein family A, member 1 (H/ACA small nucleolar RNPs); snoRNP protein GAR1

Gene ID [68147](#)

mRNA Refseq [NM_026578](#)

Protein Refseq [NP_080854](#)

UniProt ID [Q9CY66](#)

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