



# Recombinant Rat H/ACA ribonucleoprotein complex subunit 1 (Gar1)

<b>Product Code</b>	CSB-EP738137RA
<b>Abbreviation</b>	Gar1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q6AYA1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MSFRGGGRGG FNRGGGGGGF NRGGGSNNHF RGGGGGGGGG GNFRGGGRGG FGRGGGRGGF NKFQDQGPPE RVVLLGEFMH PCEDDIVCKC TTEENKVPYF NAPVYLENKE QIGKVDEIFG QLRDFYFSVK LSENMKASSF KKLQKFYIDP YKLLPLQRFL PRPPGEKGGP RGGGGGGGGG RGGRGGGRGG GGRGGGRGGG FRGGRGGGGG FRGGRGGGGG FRGRGH
<b>Source</b>	E.coli
<b>Target Names</b>	Gar1
<b>Protein Names</b>	Recommended name: H/ACA ribonucleoprotein complex subunit 1 Alternative name(s): Nucleolar protein family A member 1 snoRNP protein GAR1
<b>Expression Region</b>	1-226
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This gene is a member of the H/ACA snoRNPs (small nucleolar ribonucleoproteins) gene family. snoRNPs are involved in various aspects of rRNA processing and modification and have been classified into two families: C/D and H/ACA. The H/ACA snoRNPs also include the DKC1, NOLA2 and NOLA3 proteins. These four H/ACA snoRNP proteins localize to the dense fibrillar components of nucleoli and to coiled (Cajal) bodies in the nucleus. Both 18S rRNA production and rRNA pseudouridylation are impaired if any one of the four proteins is depleted. These four H/ACA snoRNP proteins are also components of the telomerase complex. The encoded protein of this gene contains two glycine- and arginine-rich domains and is related to <i>Saccharomyces cerevisiae</i> Gar1p. Two splice variants have been found for this gene.



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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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