Recombinant Human H/ACA ribonucleoprotein complex subunit 1 (GAR1)

Product Code	CSB-MP878917HU
Abbreviation	GAR1
Storage	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.
Uniprot No.	Q9NY12
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MSFRGGGRGG FNRGGGGGGF NRGGSSNHFR GGGGGGGGGN FRGGGRGGFG RGGGRGGFNK GQDQGPPERV VLLGEFLHPC EDDIVCKCTT DENKVPYFNA PVYLENKEQI GKVDEIFGQL RDFYFSVKLS ENMKASSFKK LQKFYIDPYK LLPLQRFLPR PPGEKGPPRG GGRGGRGGGR GGGGRGGGRG GGFRGGRGGG GGGFRGGRGG GFRGRGH
Source	Mammalian cell
Target Names	GAR1
Protein Names	Recommended name: H/ACA ribonucleoprotein complex subunit 1 Alternative name(s): Nucleolar protein family A member 1 snoRNP protein GAR1
Expression Region	1-217
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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 Saccharomyces cerevisiae Gar1p. Two splice variants have been found for this gene.

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.
Shelf Life	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.