

# Product datasheet for TP312074L

### OriGene Technologies, Inc.

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## NOLA1 (GAR1) (NM\_032993) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human GAR1 ribonucleoprotein homolog (yeast) (GAR1), transcript variant 2,

1 mg

Species: Human Expression Host: HEK293T

**Expression cDNA** >RC212074 protein sequence **Clone or AA** Red=Cloning site Green=Tags(s)

Sequence:

MSFRGGGRGGFNRGGGSSNHFRGGGGGGGGGNFRGGGRGGFGRGGFNKGQDQGPPERV

VLLGEFLHPCEDDIVCKCTTDENKVPYFNAPVYLENKEQIGKVDEIFGQLRDFYFSVKLSENMKASSFKK

**GFRGRGH** 

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV** 

Tag: C-Myc/DDK

Predicted MW: 22.2 kDa

**Concentration:** >0.05 μg/μL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional

chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some

loss of protein during the filtration process.

**Storage:** Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling

conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** NP 127460

**Locus ID:** 54433





#### NOLA1 (GAR1) (NM\_032993) Human Recombinant Protein - TP312074L

UniProt ID: Q9NY12

RefSeq Size: 1021

Cytogenetics: 4q25

RefSeq ORF: 651

Synonyms: NOLA1

**Summary:** 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

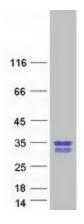
nucleoli and to coiled (Cajal) bodies in the nucleus. Both 18S rRNA production and rRNA

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. [provided by RefSeq, Jul 2008]

Protein Families: Stem cell - Pluripotency

# **Product images:**



Coomassie blue staining of purified GAR1 protein (Cat# [TP312074]). The protein was produced from HEK293T cells transfected with GAR1 cDNA clone (Cat# [RC212074]) using MegaTran 2.0 (Cat# [TT210002]).