

## **Product datasheet for PH301481**

## OriGene Technologies, Inc.

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## NOLA1 (GAR1) (NM\_018983) Human Mass Spec Standard

**Product data:** 

**Product Type:** Mass Spec Standards

**Description:** GAR1 MS Standard C13 and N15-labeled recombinant protein (NP\_061856)

Species:HumanExpression Host:HEK293

Expression cDNA Clone

RC201481

or AA Sequence: Predicted MW:

22.3 kDa

Protein Sequence: >RC201481 protein sequence

Red=Cloning site Green=Tags(s)

**GFRGRGH** 

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

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

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

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

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

**Storage:** Store at -80°C. Avoid repeated freeze-thaw cycles.

**Stability:** Stable for 3 months from receipt of products under proper storage and handling conditions.

**RefSeq:** NP 061856

RefSeq Size: 1280
RefSeq ORF: 651
Synonyms: NOLA1
Locus ID: 54433

UniProt ID: Q9NY12





Cytogenetics:

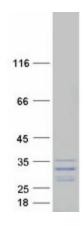
Summary:

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

4q25

## **Product images:**



Coomassie blue staining of purified GAR1 protein (Cat# [TP301481]). The protein was produced from HEK293T cells transfected with GAR1 cDNA clone (Cat# [RC201481]) using MegaTran 2.0 (Cat# [TT210002]).