

## Product datasheet for PH312074

### NOLA1 (GAR1) (NM\_032993) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	GAR1 MS Standard C13 and N15-labeled recombinant protein (NP_127460)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212074
Predicted MW:	22.3 kDa
Protein Sequence:	>RC212074 protein sequence Red=Cloning site Green=Tags(s)  MSFRGGGRGGFNRGGGGGFNRGGSSNHFRGGGGGGGNFRGGGRGGFGRGGGRGGFNKGQDQGPPERV VLLGEFLHPCEDDIVCKCTTDENKVPYFNAPVYLENKEQIGKVDEIFGQLRDFYFSVKLSENMKASSFKK LQKFYIDPYKLLPLQRFLPRPPGEKGPFRGGGRGGGRGGGRGGGRGGGRGGFRGGGRGGGGFRGGRG 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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<a href="#">NP_127460</a>
RefSeq Size:	1021
RefSeq ORF:	651
Synonyms:	NOLA1
Locus ID:	54433
UniProt ID:	<a href="#">Q9NY12</a>



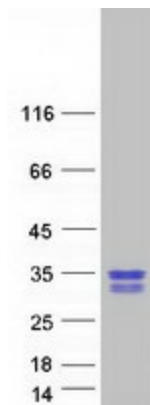
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**Cytogenetics:** 4q25

**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]).