

## Product datasheet for RC201481L3V

## OriGene Technologies, Inc.

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## NOLA1 (GAR1) (NM\_018983) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

Product Name: NOLA1 (GAR1) (NM 018983) Human Tagged ORF Clone Lentiviral Particle

Symbol: GAR1
Synonyms: NOLA1

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Tag:Myc-DDKACCN:NM\_018983

ORF Size: 651 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(RC201481).

Sequence:

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (o.g. polymorphisms), each with its own valid existence. This

naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

**RefSeg:** NM 018983.3

 RefSeq Size:
 1280 bp

 RefSeq ORF:
 654 bp

 Locus ID:
 54433

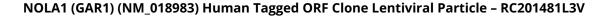
 UniProt ID:
 Q9NY12

 Cytogenetics:
 4q25

**Domains:** Gar1

**Protein Families:** Stem cell - Pluripotency





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**MW:** 22.3 kDa

**Gene 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]