

## Product datasheet for RC200184L4

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OriGene Technologies, Inc.

# Product data:

**Product Type:** Expression Plasmids

**Product Name:** GNL2 (NM\_013285) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: GNL2

Synonyms: HUMAUANTIG; Ngp-1; NGP1; Nog2; Nug2

GNL2 (NM\_013285) Human Tagged Lenti ORF Clone

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC200184).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_013285

ORF Size: 2193 bp





## GNL2 (NM\_013285) Human Tagged Lenti ORF Clone - RC200184L4

**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 (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.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:** 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

**RefSeq:** <u>NM 013285.2</u>

 RefSeq Size:
 2419 bp

 RefSeq ORF:
 2196 bp

 Locus ID:
 29889

 UniProt ID:
 Q13823

 Cytogenetics:
 1p34.3

**Domains:** MMR\_HSR1

**MW:** 83.7 kDa

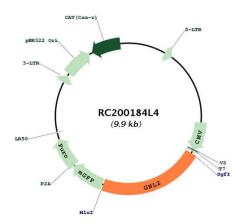
**Gene Summary:** GTPase that associates with pre-60S ribosomal subunits in the nucleolus and is required for

their nuclear export and maturation (By similarity). May promote cell proliferation possibly by increasing p53/TP53 protein levels, and consequently those of its downstream product CDKN1A/p21, and decreasing RPL23A protein levels (PubMed:26203195).[UniProtKB/Swiss-

Prot Function]



# **Product images:**



Circular map for RC200184L4