

# Product datasheet for RC211153L3

### OriGene Technologies, Inc.

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## NOL5A (NOP56) (NM\_006392) Human Tagged Lenti ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

Product Name: NOL5A (NOP56) (NM\_006392) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: NOL5A

Synonyms: NOL5A; SCA36

Mammalian Cell Puromycin

Selection:

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

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

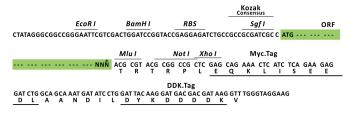
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC211153).

Sequence:

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_006392

ORF Size: 1782 bp





### NOL5A (NOP56) (NM\_006392) Human Tagged Lenti ORF Clone - RC211153L3

**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 006392.2</u>

 RefSeq Size:
 2068 bp

 RefSeq ORF:
 1785 bp

 Locus ID:
 10528

 UniProt ID:
 000567

 Cytogenetics:
 20p13

Domains: Nop

**Protein Families:** Stem cell - Pluripotency

**MW:** 66 kDa

**Gene Summary:** Nop56p is a yeast nucleolar protein that is part of a complex with the nucleolar proteins

Nop58p and fibrillarin. Nop56p is required for assembly of the 60S ribosomal subunit and is involved in pre-rRNA processing. The protein encoded by this gene is similar in sequence to Nop56p and is also found in the nucleolus. Expansion of a GGCCTG repeat from 3-8 copies to 1500-2500 copies in an intron of this gene results in spinocerebellar ataxia 36. Multiple

transcript variants encoding several different isoforms have been found for this gene, but the full-length nature of most of them has not been determined. [provided by RefSeq, Jul 2016]