

## **Product datasheet for RC221814L4**

### OriGene Technologies, Inc.

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# GCOM1 (POLR2M) (NM\_001018102) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: GCOM1 (POLR2M) (NM\_001018102) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: GCOM1

Synonyms: GCOM1; Gdown; Gdown1; GRINL1A

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 co

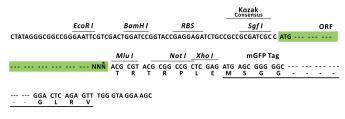
Sequence:

The ORF insert of this clone is exactly the same as(RC221814).

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 



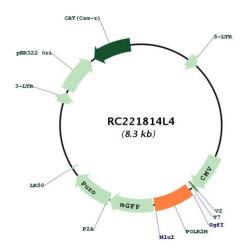


<sup>\*</sup> The last codon before the Stop codon of the ORF.





#### Plasmid Map:



**ACCN:** NM\_001018102

ORF Size: 633 bp

**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 001018102.1</u>

RefSeq Size: 3668 bp RefSeq ORF: 636 bp



### GCOM1 (POLR2M) (NM\_001018102) Human Tagged Lenti ORF Clone - RC221814L4

Locus ID: 81488
UniProt ID: POCAP1
Cytogenetics: 15q21.3

**Protein Families:** Druggable Genome, Ion Channels: Other

MW: 24.4 kDa

Gene Summary: This gene encodes a subunit of a specific form of RNA polymerase II termed Pol II(G). The

encoded protein may act as a negative regulator of transcriptional activation by the Mediator complex. Alternative splicing results in multiple transcript variants. There is a pseudogene for

this gene on chromosome 4. Readthrough transcription between this gene and the

neighboring upstream gene MYZAP (myocardial zonula adherens protein) is represented with

GenelD 145781. [provided by RefSeq, Oct 2013]