

## Product datasheet for RC221732L3

#### OriGene Technologies, Inc.

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### Cyclin G (CCNG1) (NM\_004060) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Cyclin G (CCNG1) (NM\_004060) Human Tagged Lenti ORF Clone

Tag:Myc-DDKSymbol:Cyclin GSynonyms:CCNG

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

Sequence:

The ORF insert of this clone is exactly the same as(RC221732).

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:





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

**ACCN:** NM\_004060

ORF Size: 885 bp





#### Cyclin G (CCNG1) (NM\_004060) Human Tagged Lenti ORF Clone - RC221732L3

**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 004060.3</u>

RefSeq Size: 2484 bp

**RefSeq ORF:** 888 bp

Locus ID: 900

 UniProt ID:
 P51959

 Cytogenetics:
 5q34

Domains: CYCLIN, cyclin

**Protein Families:** Druggable Genome

**Protein Pathways:** p53 signaling pathway

MW: 34.1 kDa

**Gene Summary:** The eukaryotic cell cycle is governed by cyclin-dependent protein kinases (CDKs) whose

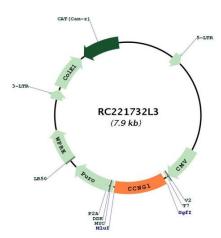
activities are regulated by cyclins and CDK inhibitors. The protein encoded by this gene is a member of the cyclin family and contains the cyclin box. The encoded protein lacks the protein destabilizing (PEST) sequence that is present in other family members. Transcriptional

activation of this gene can be induced by tumor protein p53. Two transcript variants

encoding the same protein have been identified for this gene. [provided by RefSeq, Jul 2008]



# **Product images:**



Circular map for RC221732L3