

Product datasheet for RC217068L3

OriGene Technologies, Inc.

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Cyclin G2 (CCNG2) (NM_004354) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Cyclin G2 (CCNG2) (NM_004354) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Cyclin G2
Mammalian Cell Puromycin

Selection:

Fulblingcill

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(RC217068).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_004354

ORF Size: 1032 bp



Cyclin G2 (CCNG2) (NM_004354) Human Tagged Lenti ORF Clone - RC217068L3

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 004354.1</u>

RefSeq Size: 2044 bp
RefSeq ORF: 1035 bp

Locus ID: 901

UniProt ID: Q16589

Cytogenetics: 4q21.1

Domains: CYCLIN, cyclin

Protein Families: Druggable Genome
Protein Pathways: p53 signaling pathway

MW: 38.7 kDa

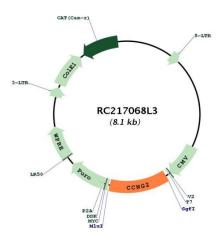
Gene Summary: The eukaryotic cell cycle is governed by cyclin-dependent protein kinases (CDKs) whose

activities are regulated by cyclins and CDK inhibitors. The 8 species of cyclins reported in mammals, cyclins A through H, share a conserved amino acid sequence of about 90 residues called the cyclin box. The amino acid sequence of cyclin G is well conserved among mammals. The nucleotide sequence of cyclin G1 and cyclin G2 are 53% identical. Unlike cyclin G1, cyclin

G2 contains a C-terminal PEST protein destabilization motif, suggesting that cyclin G2 expression is tightly regulated through the cell cycle. [provided by RefSeq, Jul 2008]



Product images:



Circular map for RC217068L3