

# Product datasheet for RC209840L3

#### OriGene Technologies, Inc.

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## p57 Kip2 (CDKN1C) (NM\_000076) Human Tagged Lenti ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** p57 Kip2 (CDKN1C) (NM\_000076) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: p57 Kip2

Synonyms: BWCR; BWS; KIP2; p57; p57Kip2; WBS

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 clo

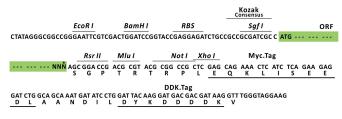
Sequence:

The ORF insert of this clone is exactly the same as(RC209840).

**Restriction Sites:** Sgfl-Rsrll

**Cloning Scheme:** 





st The last codon before the Stop codon of the ORF.

**ACCN:** NM\_000076

ORF Size: 936 bp





#### p57 Kip2 (CDKN1C) (NM\_000076) Human Tagged Lenti ORF Clone - RC209840L3

**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 000076.1</u>

RefSeq Size:1511 bpRefSeq ORF:951 bpLocus ID:1028

 UniProt ID:
 P49918

 Cytogenetics:
 11p15.4

Domains: CDI

**Protein Families:** Druggable Genome

Protein Pathways: Cell cycle
MW: 31.8 kDa

**Gene Summary:** This gene is imprinted, with preferential expression of the maternal allele. The encoded

protein is a tight-binding, strong inhibitor of several G1 cyclin/Cdk complexes and a negative regulator of cell proliferation. Mutations in this gene are implicated in sporadic cancers and Beckwith-Wiedemann syndorome, suggesting that this gene is a tumor suppressor candidate. Three transcript variants encoding two different isoforms have been found for this gene.

[provided by RefSeq, Oct 2010]