

Product datasheet for RR200072L4

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OriGene Technologies, Inc.

Cdk10 (NM_001109936) Rat Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Cdk10 (NM_001109936) Rat Tagged Lenti ORF Clone

Tag: mGFP Symbol: Cdk10

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide

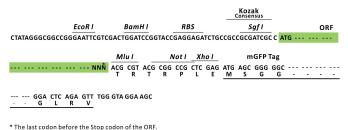
The ORF insert of this clone is exactly the same as(RR200072).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





ACCN: NM_001109936

ORF Size: 1080 bp

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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 001109936.1</u>, <u>NP 001103406.1</u>

19q12

 RefSeq Size:
 1668 bp

 RefSeq ORF:
 1083 bp

 Locus ID:
 361434

 UniProt ID:
 Q4KM47

Cytogenetics:

Gene Summary: The protein encoded by this gene belongs to the CDK subfamily of the Ser/Thr protein kinase

family. The CDK subfamily members are highly similar to the gene products of S. cerevisiae cdc28, and S. pombe cdc2, and are known to be essential for cell cycle progression. The human ortholog has been shown to play a role in cellular proliferation. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene.

[provided by RefSeq, Jul 2008]