

## General Information

### Gene Name:

cyclin dependent kinase 2

**Official Symbol:** CDK2

**Organism:** Homo sapiens

**RefSeq:** NM\_001798

## Description

### Sequence Description:

Identical with the Gene Bank Ref. ID sequence.

**Vector:** pOTB7

### Restriction Sites:

### Shipping carrier:

Each tube contains approximately 5 µg - 10 µg of lyophilized plasmid.

### Storage:

The lyophilized plasmid can be stored at ambient temperature for three months.

### Quality control:

The plasmid is confirmed by full-length sequencing with primers in the sequencing primer list.

### Sequencing primer list:

**M13 fwd:**GTAAAACGACGGCCAGT

**M13 rev:**CAGGAAACAGCTATGAC

## Plasmid Resuspension protocol

1. Centrifuge at 5,000×g for 5 min.
2. Carefully open the tube and add 20 µl 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 to concentrate the liquid at the bottom. Speed is less than 5000×g.
5. Store the plasmid at -20 °C.

### The plasmid is ready for:

PCR amplification; E. coli transformation; DNA sequencing

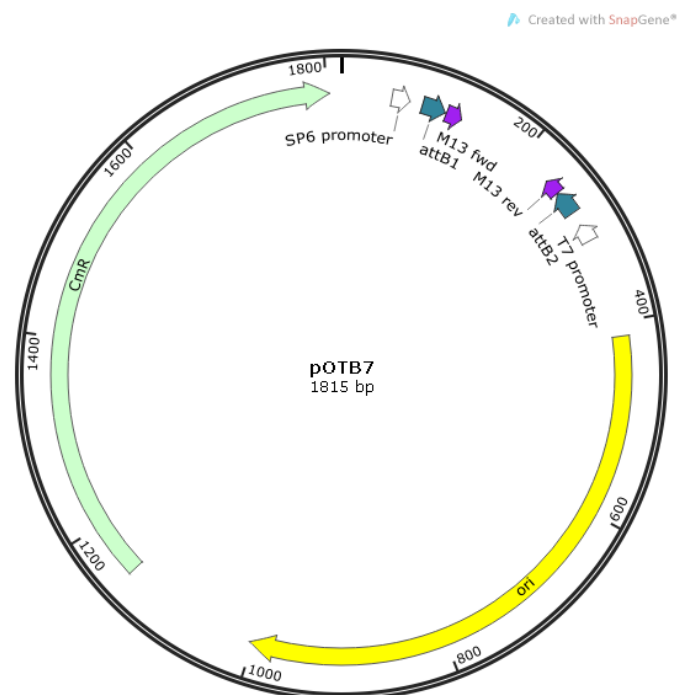
### E.coli strains for transformation (recommended but not limited):

Most commercially available competent cells are appropriate for the plasmid, e.g. TOP10, DH5α and TOP10F'.

## Vector Information

Gateway® or compatible clone with M13 forward and M13 reverse primers. Chloramphenicol resistance in bacteria.

### Physical Map of pOTB7:



Vector Name

pOTB7

# Human CDK2 (NM\_001798) cDNA/ORF clone



Catalog Number: 714564-11

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Vector Size	1815 bp	Promoter	-
Vector Type	Cloning Vector	Antibiotic Resistance	Chloramphenicol
Expression Method	-	Selection In Mammalian Cells	-
		Protein Tag	None