

# CCNB1 Knockout HeLa Cell Lysate, Homozygous

**Catalog No.: RM02191**

## Basic Information

**Catalog No.**

RM02191

**Category**

Cell Lysate

**Parental Cell line**

HeLa

**Genotype**

Knockout

## Gene Information

**Gene Symbol**

CCNB1

**Species**

Human

**Gene ID**

891


**Swiss Prot**

P14635

**Synonyms**

CCNB

## Contact

 | 400-999-6126 | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn) | [www.abclonal.com.cn](http://www.abclonal.com.cn)

## Background

The protein encoded by this gene is a regulatory protein involved in mitosis. The gene product complexes with p34(cdc2) to form the maturation-promoting factor (MPF). Two alternative transcripts have been found, a constitutively expressed transcript and a cell cycle-regulated transcript, that is expressed predominantly during G2/M phase. The different transcripts result from the use of alternate transcription initiation sites. [provided by RefSeq, Jul 2008]

## Product Information

**Description**

CCNB1 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:68bp deletion in exon3

Allele-2:68bp deletion in exon3

Mammalian cells such as human, rat and mouse cells are normally diploid with two alleles.

Homozygote: both alleles were knocked out, mRNA has no signal, no expression of proteins.

Heterozygote: only one allele was knocked out, the mRNA transcript levels was decreased compared to wild type, and the protein expression levels was also lower than that of the wild type.

**Packaging**

1 vial parental cell Lysate and 1 vial knockout cell Lysate

**Shipping Conditions**

4°C

**Amount**

50µL, 2µg/µL.

**Storage**

Lysate is stable for 12 months when stored at -20°C. Minimizing freeze-thaw cycles.

**Protocol**

To be used as WB control. Lysate is supplied in 1× SDS sample buffer (2% SDS, 60 mM Tris-HCl pH 6.8, 10% Glycerol, 0.02% Bromophenol blue, 60 mM beta-mercaptoethanol). Lysate should be boiled for 3 - 5 minutes before loading onto gel.

## Sequencing data

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WT ACCAAACCTCTTG\*\*\*\*\*CCTGAGCCTGTAA  
Mut ACCAAACCTCTTG\*\*\*Deletion\*\*\*CCTGAGCCTGTAA  
Allele-1: 68bp deletion in exon3  
WT ACCAAACCTCTTG\*\*\*\*\*CCTGAGCCTGTAA  
Mut ACCAAACCTCTTG\*\*\*Deletion\*\*\*CCTGAGCCTGTAA  
Allele-2: 68bp deletion in exon3

Genome sequence analysis of PCR products from parental (WT) and CCNB1 knockout (KO) HeLa cells, using sanger sequencing.