

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

🌐 | 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

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.