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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

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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℃

Amount
50μL, 2μg/μL.

Storage
Lysate is stable for 12 months when stored at -20℃. 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 ACCAAAACCTCTTG**********CCTGAGCCTGTTAA
Mut ACCAAAACCTCTTG***Deletion***CCTGAGCCTGTTAA
Allele-1：68bp deletion in exon3

WT ACCAAAACCTCTTG**********CCTGAGCCTGTTAA
Mut ACCAAAACCTCTTG***Deletion***CCTGAGCCTGTTAA
Allele-2：68bp deletion in exon3

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