

# MKI67 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM01991

## Basic Information

### Catalog No.

RM01991

### Category

Cell Lysate

### Parental Cell line

HeLa

### Genotype

Knockout

## Gene Information

### Gene Symbol

MKI67

### Species

Human

### Gene ID

4288

### Swiss Prot

P46013

### Synonyms

KIA; MIB-; MIB-1; PPP1R105

## Contact

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## Background

This gene encodes a nuclear protein that is associated with and may be necessary for cellular proliferation. Alternatively spliced transcript variants have been described. A related pseudogene exists on chromosome X. [provided by RefSeq, Mar 2009]

## Product Information

### Description

MKI67 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:101bp deletion in exon7

Allele-2:101bp deletion in exon7

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    CCAGTTGCCAGTGA\*\*\*\*\*AGAGAGTGTCTATC  
Mut    CCAGTTGCCAGTGA\*\*\*Deletion\*\*\*AGAGAGTGTCTATC  
Allele-1: 101bp deletion in exon7  
  
WT    CCAGTTGCCAGTGA\*\*\*\*\*AGAGAGTGTCTATC  
Mut    CCAGTTGCCAGTGA\*\*\*Deletion\*\*\*AGAGAGTGTCTATC  
Allele-2: 101bp deletion in exon7

Genome sequence analysis of PCR products from parental (WT) and MKI67 knockout (KO) HeLa cells, using sanger sequencing.