

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

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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

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.