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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℃

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