

# SIK2 Knockdown HeLa Cell Lysate, Heterozygous

Catalog No.: RM50142

## Basic Information

### Catalog No.

RM50142

### Category

Cell Lysate

### Parental Cell line

HeLa

### Genotype

Knockdown

## Gene Information

### Gene Symbol

SIK2

### Species

Human

### Gene ID

23235

### Swiss Prot

Q9H0K1

### Synonyms

QIK; SIK-2; SNF1LK2; LOH11CR1I; SIK2

## Contact

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## Background

Enables ATP binding activity; magnesium ion binding activity; and protein serine/threonine kinase activity. Involved in intracellular signal transduction and protein autophosphorylation. Predicted to be located in nucleus. Predicted to be active in cytoplasm.

## Product Information

### Description

SIK2 Knockdown cell line is engineered from HeLa cell line with Gene-Editing Technology.

Allele-1:70bp deletion in exon2

Allele-2:3bp deletion in exon2

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 AATCGATAAGTCTC\*\*\*\*\*CATAATCAAACCTT  
Mut AATCGATAAGTCTC\*\*\*Deletion\*\*\*CATAATCAAACCTT  
Allele-1: 70bp deletion in exon2

WT AAGTCTCAGCTGGA\*\*\*\*\*CACCCACATAAT  
Mut AAGTCTC-GCTGGA\*\*\*\*\*CACCCCT---CATAAT  
Allele-2: 3bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and SIK2 knockdown (KD) HeLa cells, using sanger sequencing.