

# HSP90AA1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02017

## Basic Information

### Catalog No.

RM02017

### Category

Cell Lysate

### Parental Cell line

HeLa

### Genotype

Knockout

## Gene Information

### Gene Symbol

HSP90AA1

### Species

Human

### Gene ID

3320

### Swiss Prot

P07900

### Synonyms

EL52; HEL-S-65p; HSP86; HSP89A;  
HSP90A; HSP90N; HSPC1; HSPCA;  
HSPCAL1; HSPCAL4; HSPN; Hsp103;  
Hsp89; Hsp90; LAP-2; LAP2

## Contact

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## Background

The protein encoded by this gene is an inducible molecular chaperone that functions as a homodimer. The encoded protein aids in the proper folding of specific target proteins by use of an ATPase activity that is modulated by co-chaperones. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]

## Product Information

### Description

HSP90AA1 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:215bp deletion in exon2

Allele-2:238bp 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    ATATTAACCTTATA\*\*\*\*\*ACATAACGATGATG  
Mut   ATATTAACCTTATA\*\*\*Deletion\*\*\*ACATAACGATGATG  
Allele-1: 215bp deletion in exon2

WT    TATTAACCTTATAC\*\*\*\*\*TTGGGAGTCCTCAG  
Mut   TATTAACCTTATAC\*\*\*Deletion\*\*\*TTGGGAGTCCTCAG  
Allele-2: 238bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and HSP90AA1 knockout (KO) HeLa cells, using sanger sequencing.