

# FOS Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02011

## Basic Information

### Catalog No.

RM02011

### Category

Cell Lysate

### Parental Cell line

HeLa

### Genotype

Knockout

## Gene Information

### Gene Symbol

FOS

### Species

Human

### Gene ID

2353

### Swiss Prot

P01100

### Synonyms

AP-1; C-FOS; p55

## Contact

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## Background

The Fos gene family consists of 4 members: FOS, FOSB, FOSL1, and FOSL2. These genes encode leucine zipper proteins that can dimerize with proteins of the JUN family, thereby forming the transcription factor complex AP-1. As such, the FOS proteins have been implicated as regulators of cell proliferation, differentiation, and transformation. In some cases, expression of the FOS gene has also been associated with apoptotic cell death. [provided by RefSeq, Jul 2008]

## Product Information

### Description

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

Allele-1:139bp deletion in exon2

Allele-2:140bp 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 GGTCACTGCCATCT\*\*\*\*\*CATGACAGGAGGCC  
Mut GGTCACTGCCATCT\*\*\*Deletion\*\*\*CATGACAGGAGGCC  
Allele-1: 139bp deletion in exon2  
WT GGTCACTGCCATCT\*\*\*\*\*ATGACAGGAGGCCG  
Mut GGTCACTGCCATCT\*\*\*Deletion\*\*\*ATGACAGGAGGCCG  
Allele-2: 140bp deletion in exon2

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