

# FOXP3 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02056

## **Basic Information**

### Catalog No.

RM02056

## Category

Cell Lysate

### **Parental Cell line**

HeLa

### Genotype

Knockout

## **Background**

The protein encoded by this gene is a member of the forkhead/winged-helix family of transcriptional regulators. Defects in this gene are the cause of immunodeficiency polyendocrinopathy, enteropathy, X-linked syndrome (IPEX), also known as X-linked autoimmunity-immunodeficiency syndrome. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

## **Gene Information**

## **Gene Symbol**

FOXP3

### **Species**

Human

## Gene ID

50943

### **Swiss Prot**

Q9BZS1

### **Synonyms**

AIID; DIETER; IPEX; JM2; PIDX; XPID

### **Contact**

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## **Product Information**

#### Description

FOXP3 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:38bp deletion in exon2

Allele-2:44bp 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**

 ${\bf 1}$  vial parental cell Lysate and  ${\bf 1}$  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  $1\times$  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 CCGAGATCTTCGAG\*CCACCATCGCAGCT
Mut CCGAGATCTTCGAG\*\*\*Deletion\*\*\*\*CCACCATCGCAGCT
Allele-1: 38bp deletion in exon2

WT CCAGGGCCGAGATC\*\*\*\*\*\*\*\*\*\*\*CCACCATCGCAGCT
Mut CCAGGGCCGAGATC\*\*\*Deletion\*\*\*CCACCATCGCAGCT

Allele-2: 44bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and FOXP3 knockout (KO) HeLa cells, using sanger sequencing.