

# IFNAR2 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02014

## Basic Information

### Catalog No.

RM02014

### Category

Cell Lysate

### Parental Cell line

HeLa

### Genotype

Knockout

## Gene Information

### Gene Symbol

IFNAR2

### Species

Human

### Gene ID

3455

### Swiss Prot

P48551

### Synonyms

IFN-R; IFN-alpha-REC; IFNABR; IFNARB;  
IMD45

## Contact

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## Background

The protein encoded by this gene is a type I membrane protein that forms one of the two chains of a receptor for interferons alpha and beta. Binding and activation of the receptor stimulates Janus protein kinases, which in turn phosphorylate several proteins, including STAT1 and STAT2. Multiple transcript variants encoding at least two different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

## Product Information

### Description

IFNAR2 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:2bp deletion in exon3

Allele-2:1bp deletion in exon3

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 TTAAAAAACCACTCCATTGTACCAACTCACTATACATT  
Mut TTAAAAAACCACTCCATT-ACCAACTCACTATACATT  
Allele-1: 2bp deletion in exon3  
WT TAAAAAACCACTCCATTGTACCAACTCACTATACATTG  
Mut TAAAAAACCACTCCATTGT-CCAACTCACTATACATTG  
Allele-2: 1bp deletion in exon3

Genome sequence analysis of PCR products from parental (WT) and IFNAR2 knockout (KO) HeLa cells, using sanger sequencing.