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IFNAR2 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02014

Basic Information

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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

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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℃

Amount
50μL, 2μg/μL.

Storage
Lysate is stable for 12 months when stored at -20℃. 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

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.