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IRF3 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02286

Basic Information

Catalog No.
RM02286

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Background

This gene encodes a member of the interferon regulatory transcription factor (IRF) family. The encoded protein is found in an inactive cytoplasmic form that upon serine/threonine phosphorylation forms a complex with CREBBP. This complex translocates to the nucleus and activates the transcription of interferons alpha and beta, as well as other interferon-induced genes. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2011]

Gene Information

Gene Symbol
IRF3

Species
Human

Gene ID
3661

Swiss Prot
Q14653

Synonyms
IIAE7

Product Information

Description
IRF3 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:121bp deletion in exon1
Allele-2:121bp deletion in exon1
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.

Contact

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Sequencing data

WT CCCCACTCCCAGAT**********TGTTGGTGCCGGGG
Mut CCCCACTCCCAGAT***Deletion***TGTTGGTGCCGGGG
Allele-1: 121bp deletion in exon1

WT CCCCACTCCCAGAT**********TGTTGGTGCCGGGG
Mut CCCCACTCCCAGAT***Deletion***TGTTGGTGCCGGGG
Allele-2: 121bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and IRF3 knockout (KO) HeLa cells, using sanger sequencing.