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IL18 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02560

Basic Information

Catalog No.
RM02560

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
IL18

Species
Human

Gene ID
3606

Swiss Prot
Q14116

Synonyms
IGIF; IL-18; IL-1g; IL1F4

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Background

The protein encoded by this gene is a proinflammatory cytokine that augments natural killer cell activity in spleen cells, and stimulates interferon gamma production in T-helper type I cells. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Aug 2011]

Product Information

Description
IL18 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:7bp deletion in exon2
Allele-2:52bp 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℃

Amount
50μL, 2μg/μL.

Storage
Store at -20℃

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    CCAAGTTCTCTTCA**************AGGAAATCGGCCTC
Mut   CCAAGTTCTCTTCA***Deletion***AGGAAATCGGCCTC
Allele-1:    7bp deletion in exon2

WT    AAGTTCTCTTCATT**************TTTAATTCGCAAAC
Mut   AAGTTCTCTTCATT***Deletion***TTTAATTCGCAAAC
Allele-2:    52bp deletion in exon2
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Genome sequence analysis of PCR products from parental (WT) and IL18 knockout (KO) HeLa cells, using sanger sequencing.

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