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CXCL10 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02563

Basic Information

Catalog No.
RM02563

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
CXCL10

Species
Human

Gene ID
3627

Swiss Prot
P02778

Synonyms
C7; IFI10; INP10; IP-10; SCYB10; crg-2; gIP-10; mob-1

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Background

This antimicrobial gene encodes a chemokine of the CXC subfamily and ligand for the receptor CXCR3. Binding of this protein to CXCR3 results in pleiotropic effects, including stimulation of monocytes, natural killer and T-cell migration, and modulation of adhesion molecule expression. [provided by RefSeq, Sep 2014]

Product Information

Description
CXCL10 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:80bp deletion in exon2;Allele-2:80bp 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
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

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WT    ACGCTGTACCTGCA**************GTTGAGATCATGTG
Mut   ACGCTGTACCTGCA***Deletion***GTTGAGATCATGTG
Allele-1:    80bp deletion in exon2

WT    ACGCTGTACCTGCA**************GTTGAGATCATGTG
Mut   ACGCTGTACCTGCA***Deletion***GTTGAGATCATGTG
Allele-2:    80bp deletion in exon2
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Genome sequence analysis of PCR products from parental (WT) and CXCL10 knockout (KO) HeLa cells, using sanger sequencing.