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CXCL10 Knockout HeLa Cell Line, Homozygous

Catalog No.: RM02520

Basic Information

Catalog No.
RM02520

Category
Cell Line

Parental Cell line
HeLa

Genotype
Knockout

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]

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

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 line and 1 vial knockout cell line

Shipping Conditions
Dry ice

Amount
1~5x10^6 cells/vial

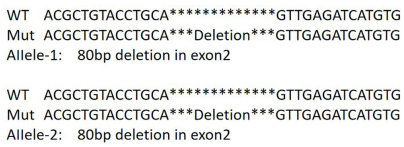
Storage
Store at -20℃

Protocol
Upon arrival, it should be maintained in DMEM medium with 10%(v/v) fetal bovine serum and 100U penicillin-streptomycin, at 37℃ with 5% CO_2 condition.
1. Thaw the vial in 37℃ water bath ,and shake it to melt as soon as possible.
2. Transfer the cell suspension to a 15mL conical tube with pre-warmed 5mL complete medium and centrifuge 1000rpm for approximately 5 minutes at room temperature.
3. Remove and discard the supernatant.
4. Resuspend the cell pellet with 1mL pre-warmed complete medium and seed in 10cm dish.
5. Add 8-10mL of complete medium.
6. Incubate the culture at 37℃ incubator with 5% CO_2.
7. A subcultivation ratio of 1:2-1:4 is recommended.

Contact

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Sequencing data



Genome sequence analysis of PCR products from parental (WT) and CXCL10 knockout (KO) HeLa cells, using sanger sequencing.