Leader in Biomolecular Solutions for Life Science

www.abclonal.com

IL18 Knockout HeLa Cell Line, Homozygous

Catalog No.: RM02514

Basic Information

Catalog No.
RM02514

Category
Cell Line

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

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

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 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.

Sequencing data

```
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
```

Genome sequence analysis of PCR products from parental (WT) and IL18 knockout (KO) HeLa cells, using sanger sequencing.

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.