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KRT36 Knockout HeLa Cell Line, Homozygous

Catalog No.: RM02419

Basic Information

Catalog No.
RM02419

Category
Cell Line

Parental Cell line
HeLa

Genotype
Knockout

Background

The protein encoded by this gene is a member of the keratin gene family. This type I hair keratin is an acidic protein which heterodimerizes with type II keratins to form hair and nails. The type I hair keratins are clustered in a region of chromosome 17q12-q21 and have the same direction of transcription. [provided by RefSeq, Jul 2008]

Gene Information

Gene Symbol
KRT36

Species
Human

Gene ID
8689

Swiss Prot
O76013

Synonyms
HA6; KRTHA6; hHa6

Product Information

Description
KRT36 Knockout HeLa Cell Line knockout is engineered from HeLa cell line with Gene-Editing Technology.
Allele-1:257bp deletion in exon1
Allele-2:257bp 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 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

```
WT     GCAGGGTCCCCAGT**************GTGGTACGAGTTTC
Mut    GCAGGGTCCCCAGT***Deletion***GTGGTACGAGTTTC
Allele-1：257bp deletion  in exon1

WT     GCAGGGTCCCCAGT**************GTGGTACGAGTTTC
Mut    GCAGGGTCCCCAGT***Deletion***GTGGTACGAGTTTC
Allele-2：257bp deletion  in exon1
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Genome sequence analysis of PCR products from parental (WT) and KRT36 knockout (KO) HeLa cells, using sanger sequencing.

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