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KRT36 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02459

Basic Information

Catalog No.
RM02459

Category
Cell Lysate

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 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 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.

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
```

Genome sequence analysis of PCR products from parental (WT) and KRT36 knockout (KO) HeLa cells, using sanger sequencing.

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