

KRT7 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02404

Basic Information

Catalog No.

RM02404

Category

Cell Lysate

Parental Cell line

HeLa

Genotype

Knockout

Gene Information

Gene Symbol

KRT7

Species

Human

Gene ID

3855



Swiss Prot

P08729

Synonyms

CK7; K2C7; K7; SCL

Contact

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Background

The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described. [provided by RefSeq, Jul 2008]

Product Information

Description

KRT7 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:68bp deletion in exon1

Allele-2:68bp 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°C

Amount

50µL, 2µg/µL.

Storage

Lysate is stable for 12 months when stored at -20°C. 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

WT AGCAGCAGCCTCTA*****TCCGCGAGGTCACC
Mut AGCAGCAGCCTCTA***Deletion***TCCGCGAGGTCACC
Allele-1: 68bp deletion in exon1
WT AGCAGCAGCCTCTA*****TCCGCGAGGTCACC
Mut AGCAGCAGCCTCTA***Deletion***TCCGCGAGGTCACC
Allele-2: 68bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and KRT7 knockout (KO) HeLa cells, using sanger sequencing.