

# CSPG4 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02375

## Basic Information

**Catalog No.**

RM02375

**Category**

Cell Lysate

**Parental Cell line**

HeLa

**Genotype**

Knockout

## Gene Information

**Gene Symbol**

CSPG4

**Species**

Human

**Gene ID**

1464

**Swiss Prot**

Q6UVK1

**Synonyms**HMW-MAA; MCSP; MCSPG; MEL-CSPG;  
MSK16; NG2

## Contact

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## Background

A human melanoma-associated chondroitin sulfate proteoglycan plays a role in stabilizing cell-substratum interactions during early events of melanoma cell spreading on endothelial basement membranes. CSPG4 represents an integral membrane chondroitin sulfate proteoglycan expressed by human malignant melanoma cells. [provided by RefSeq, Jul 2008]

## Product Information

**Description**

CSPG4 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:121bp deletion in exon3

Allele-2:121bp deletion in exon3

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

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WT CCACGTTGCAGT\*\*\*\*\*TGAGGGGTGCCTC  
Mut CCACGTTGCAGT\*\*\*Deletion\*\*\*TGAGGGGTGCCTC  
Allele-1: 121bp deletion in exon3  
WT CCACGTTGCAGT\*\*\*\*\*TGAGGGGTGCCTC  
Mut CCACGTTGCAGT\*\*\*Deletion\*\*\*TGAGGGGTGCCTC  
Allele-2: 121bp deletion in exon3

Genome sequence analysis of PCR products from parental (WT) and CSPG4 knockout (KO) HeLa cells, using sanger sequencing.