

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

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