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CSPG4 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02375

Basic Information

Catalog No.
RM02375

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

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]

Gene Information

Gene Symbol
CSPG4

Species
Human

Gene ID
1464

Swiss Prot
Q6UVK1

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

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℃

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.

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Sequencing data

WT CCACGTTGTCAGTC**********TGAGGGGTTGCCTC
Mut CCACGTTGTCAGTC***Deletion***TGAGGGGTTGCCTC
Allele-1: 121bp deletion in exon3

WT CCACGTTGTCAGTC**********TGAGGGGTTGCCTC
Mut CCACGTTGTCAGTC***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.

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