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CDH2 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM01772

Basic Information

Catalog No.
RM01772

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Species
Human

Gene ID
1000

Swiss Prot
P19022

Synonyms
CD325; CDHN; CDw325; NCAD

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Background

This gene encodes a classical cadherin and member of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein is proteolytically processed to generate a calcium-dependent cell adhesion molecule and glycoprotein. This protein plays a role in the establishment of left-right asymmetry, development of the nervous system and the formation of cartilage and bone. [provided by RefSeq, Nov 2015]

Product Information

Description
CDH2 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:44bp deletion in exon2
Allele-2:44bp deletion in exon2
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.

Sequencing data

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WT     AAAGAGACCCAGGA**************CTGAGGAGTCAGTG
Mut    AAAGAGACCCAGGA***Deletion***CTGAGGAGTCAGTG
Allele-1：44bp deletion in exon2
WT     AAAGAGACCCAGGA**************CTGAGGAGTCAGTG
Mut    AAAGAGACCCAGGA***Deletion***CTGAGGAGTCAGTG
Allele-2：44bp deletion in exon2
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Genome sequence analysis of PCR products from parental (WT) and CDH2 knockout (KO) HeLa cells, using sanger sequencing.

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