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CTNND1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02402

Basic Information

Catalog No.
RM02402

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
CTNND1

Species
Human

Gene ID
1500

Swiss Prot
O60716

Synonyms
CAS; CTNND; P120CAS; P120CTN; p120; p120(CAS); p120(CTN)

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Background

This gene encodes a member of the Armadillo protein family, which function in adhesion between cells and signal transduction. Multiple translation initiation codons and alternative splicing result in many different isoforms being translated. Not all of the full-length natures of the described transcript variants have been determined. Read-through transcription also exists between this gene and the neighboring upstream thioredoxin-related transmembrane protein 2 (TMX2) gene. [provided by RefSeq, Dec 2010]

Product Information

Description
CTNND1 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:106bp deletion in exon3
Allele-2:106bp 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.

Sequencing data

WT TATATAGCACCATC**********GGCGCACAGAGACC
Mut TATATAGCACCATC***Deletion***GGCGCACAGAGACC
Allele-1: 106bp deletion in exon3

WT TATATAGCACCATC**********GGCGCACAGAGACC
Mut TATATAGCACCATC***Deletion***GGCGCACAGAGACC
Allele-2: 106bp deletion in exon3

Genome sequence analysis of PCR products from parental (WT) and CTNND1 knockout (KO) HeLa cells, using sanger sequencing.

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