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CTNNA1 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02039

Basic Information

Catalog No.
RM02039

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Background

This gene encodes a member of the catenin family of proteins that play an important role in cell adhesion process by connecting cadherins located on the plasma membrane to the actin filaments inside the cell. The encoded mechanosensing protein contains three vinculin homology domains and undergoes conformational changes in response to cytoskeletal tension, resulting in the reconfiguration of cadherin-actin filament connections. Certain mutations in this gene cause butterfly-shaped pigment dystrophy. [provided by RefSeq, May 2016]

Gene Information

Gene Symbol
CTNNA1

Species
Human

Gene ID
1495

Swiss Prot
P35221

Synonyms
CAP102; MDPT2

Product Information

Description
CTNNA1 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:85bp deletion in exon2
Allele-2:85bp 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.

Contact

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Sequencing data

WT TTTCCTGGAAACCA**********TGCCAACAAATTGA
Mut TTTCCTGGAAACCA***Deletion***TGCCAACAAATTGA
Allele-1: 85bp deletion in exon2

WT TTTCCTGGAAACCA**********TGCCAACAAATTGA
Mut TTTCCTGGAAACCA***Deletion***TGCCAACAAATTGA
Allele-2: 85bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and CTNNA1 knockout (KO) 293T cells, using sanger sequencing.