

DVL1 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02060

Basic Information

Catalog No.

RM02060

Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockout

Gene Information

Gene Symbol

DVL1

Species

Human

Gene ID

1855

Swiss Prot

O14640

Synonyms

DRS2; DVL; DVL1L1; DVL1P1

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Background

DVL1, the human homolog of the Drosophila dishevelled gene (dsh) encodes a cytoplasmic phosphoprotein that regulates cell proliferation, acting as a transducer molecule for developmental processes, including segmentation and neuroblast specification. DVL1 is a candidate gene for neuroblastomatous transformation. The Schwartz-Jampel syndrome and Charcot-Marie-Tooth disease type 2A have been mapped to the same region as DVL1. The phenotypes of these diseases may be consistent with defects which might be expected from aberrant expression of a DVL gene during development. [provided by RefSeq, Jul 2008]

Product Information

Description

DVL1 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.

Allele-1:49bp deletion in exon1

Allele-2:49bp deletion in exon1

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

WT CCGTGGCCCCGAG*****ACGCCTACAAATC
Mut CCGTGGCCCCGAG***Deletion***ACGCCTACAAATC
Allele-1: 49bp deletion in exon1
WT CCGTGGCCCCGAG*****ACGCCTACAAATC
Mut CCGTGGCCCCGAG***Deletion***ACGCCTACAAATC
Allele-2: 49bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and DVL1 knockout (KO) 293T cells, using sanger sequencing.