

VANGL2 Knockdown 293T Cell Lysate, Heterozygous

Catalog No.: RM02363

Basic Information

Catalog No.

RM02363

Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockdown

Gene Information

Gene Symbol

VANGL2

Species

Human

Gene ID

57216

Swiss Prot

Q9ULK5

Synonyms

LPP1; LTAP; STB1; STBM; STBM1

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Background

The protein encoded by this gene is a membrane protein involved in the regulation of planar cell polarity, especially in the stereociliary bundles of the cochlea. The encoded protein transmits directional signals to individual cells or groups of cells in epithelial sheets. This protein is also involved in the development of the neural plate. [provided by RefSeq, Sep 2011]

Product Information

Description

VANGL2 Knockdown 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.

Allele-1:49bp deletion in exon2

Allele-2:28bp 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°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 GTGG*****GGGC*TGAG*****GGGA
Mut GTGG***Deletion***GGGC*TGAG***Deletion***GGGA
Allele-1: 49bp deletion in exon2

WT AAGA*****TGGG*TGGA*****TGAG
Mut AAGA***Deletion***TGGG*TGGA***Deletion***TGAG
Allele-2: 28bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and VANGL2 Knockdown (KD) 293T cells, using sanger sequencing.