

ARHGEF1 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02495

Basic Information

Catalog No.

RM02495

Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockout

Gene Information

Gene Symbol

ARHGEF1

Species

Human

Gene ID

9138

Swiss Prot

Q92888

Synonyms

GEF1; LBCL2; LSC; P115-RHOGEF;
SUB1.5

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Background

Rho GTPases play a fundamental role in numerous cellular processes that are initiated by extracellular stimuli that work through G protein coupled receptors. The encoded protein may form complex with G proteins and stimulate Rho-dependent signals. Multiple alternatively spliced transcript variants have been found for this gene, but the full-length nature of some variants has not been defined. [provided by RefSeq, Jul 2008]

Product Information

Description

ARHGEF1 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.

Allele-1:exon6 was deleted

Allele-2:exon6 was deleted

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 CACCCTCGCTTAGA*****GCGGGACCACACC
Mut CACCCTCGCTTAGA***Deletion***GCGGGACCACACC
Allele-1: exon6 was deleted

WT GCACCCTCGCTTAG*****GAGGCAAGGGGAG
Mut GCACCCTCGCTTAG***Deletion***GAGGCAAGGGGAG
Allele-2: exon6 was deleted

Genome sequence analysis of PCR products from parental (WT) and ARHGEF1 knockout (KO) 293T cells, using sanger sequencing.