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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℃

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



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