

STK11 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02323

Basic Information

Catalog No.

RM02323

Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockout

Gene Information

Gene Symbol

STK11

Species

Human

Gene ID

6794

Swiss Prot

Q15831

Synonyms

LKB1; PJS; hLKB1

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Background

This gene, which encodes a member of the serine/threonine kinase family, regulates cell polarity and functions as a tumor suppressor. Mutations in this gene have been associated with Peutz-Jeghers syndrome, an autosomal dominant disorder characterized by the growth of polyps in the gastrointestinal tract, pigmented macules on the skin and mouth, and other neoplasms. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008]

Product Information

Description

STK11 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.

Allele-1:65bp deletion in exon1

Allele-2:64bp 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 ACGTTCATCCACCG*****TGATGGGGGACCTG
Mut ACGTTCATCCACCG***Deletion***TGATGGGGGACCTG
Allele-1: 65bp deletion in exon1

WT GTTCATCCACCGCA*****GATGGGGGACCTGC
Mut GTTCATCCACCGCA***Deletion***GATGGGGGACCTGC
Allele-2: 64bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and STK11 Knockout (KO) 293T cells, using sanger sequencing.