

SRC Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02287

Basic Information

Catalog No.

RM02287

Category

Cell Lysate

Parental Cell line

HeLa

Genotype

Knockout

Gene Information

Gene Symbol

SRC

Species

Human

Gene ID

6714

Swiss Prot

P12931

Synonyms

ASV; SRC1; THC6; c-SRC; p60-Src

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Background

This gene is highly similar to the v-src gene of Rous sarcoma virus. This proto-oncogene may play a role in the regulation of embryonic development and cell growth. The protein encoded by this gene is a tyrosine-protein kinase whose activity can be inhibited by phosphorylation by c-SRC kinase. Mutations in this gene could be involved in the malignant progression of colon cancer. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

Product Information

Description

SRC Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:46bp deletion in exon2

Allele-2:46bp 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 TGACTATGAGTCTA*****TGTCACAACACGT
Mut TGACTATGAGTCTA***Deletion***TGTCACAACACGT
Allele-1: 46bp deletion in exon2

WT TGACTATGAGTCTA*****TGTCACAACACGT
Mut TGACTATGAGTCTA***Deletion***TGTCACAACACGT
Allele-2: 46bp deletion in exon2

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