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SRC Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02287

Basic Information

Catalog No.
RM02287

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

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]

Gene Information

Gene Symbol
SRC

Species
Human

Gene ID
6714

Swiss Prot
P12931

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

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℃

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.

Contact

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Sequencing data

WT TGACTATGAGTCTA**********TGTCAACAACACGT
Mut TGACTATGAGTCTA***Deletion***TGTCAACAACACGT
Allele-1: 46bp deletion in exon2

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

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