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CRKL Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02364

Basic Information

Catalog No.
RM02364

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Gene Information

Gene Symbol
CRKL

Species
Human

Gene ID
1399

Swiss Prot
P46109

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Background

This gene encodes a protein kinase containing SH2 and SH3 (src homology) domains which has been shown to activate the RAS and JUN kinase signaling pathways and transform fibroblasts in a RAS-dependent fashion. It is a substrate of the BCR-ABL tyrosine kinase, plays a role in fibroblast transformation by BCR-ABL, and may be oncogenic.[provided by RefSeq, Jan 2009]

Product Information

Description
CRKL Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:65bp deletion in exon1
Allele-2:80bp 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℃

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

WT GGCCAGCGCCACGG**********CGCGGGTCTCCCAC
Mut GGCCAGCGCCACGG***Deletion***CGCGGGTCTCCCAC
Allele-1: 65bp deletion in exon1

WT GCTCCAGGGCCAGC**********TCCCACTACATCAT
Mut GCTCCAGGGCCAGC***Deletion***TCCCACTACATCAT
Allele-2: 80bp deletion in exon1

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

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