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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

## 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]

## Gene Information

**Gene Symbol**
CRKL

**Species**
Human

**Gene ID**
1399

**Swiss Prot**
P46109

## 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**
Lysate is stable for 12 months when stored at -20℃. 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.

## Contact


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## 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.