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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

# Contact

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#### **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

 $\begin{array}{ll} \textbf{Shipping Conditions} & \textbf{Amount} \\ 4^{\circ} C & 50 \mu L, 2 \mu g/\mu L. \end{array}$ 

#### Storage

Lysate is stable for 12 months when stored at -20°C. Minimizing freeze-thaw cycles.

#### Protoco

To be used as WB control. Lysate is supplied in  $1\times$  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.