

# SFRP2 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM50103

## Basic Information

### Catalog No.

RM50103

### Category

Cell Lysate

### Parental Cell line

HeLa

### Genotype

Knockout

## Gene Information

### Gene Symbol

SFRP2

### Species

Human

### Gene ID

6423

### Swiss Prot

Q96HF1

### Synonyms

FRP-2; SARP1; SDF-5; SFRP2

## Contact

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## Background

This gene encodes a member of the SFRP family that contains a cysteine-rich domain homologous to the putative Wnt-binding site of Frizzled proteins. SFRPs act as soluble modulators of Wnt signaling. Methylation of this gene is a potential marker for the presence of colorectal cancer.

## Product Information

### Description

SFRP2 Knockout cell line is engineered from HeLa cell line with Gene-Editing Technology.

Allele-1:97bp deletion in exon1

Allele-2:34bp 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°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

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WT CCTTCGGCTTCCCC\*\*\*\*\*ACTCCCTGCTGGGC  
Mut CCTTCGGCTTCCCC\*\*\*Deletion\*\*\*ACTCCCTGCTGGGC  
Allele-1: 97bp deletion in exon1

WT GGCTTCCCCTGGCC\*\*\*\*\*AAGACCTTTGCAT  
Mut GGCTTCCCCTGGCC\*\*\*Deletion\*\*\*AAGACCTTTGCAT  
Allele-2: 34bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and SFRP2 knockout (KO) HeLa cells, using sanger sequencing.