

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

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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

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.