

SNAI1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM01982

Basic Information

Catalog No.

RM01982

Category

Cell Lysate

Parental Cell line

HeLa

Genotype

Knockout

Gene Information

Gene Symbol

SNAI1

Species

Human

Gene ID

6615

Swiss Prot

O95863

SynonymsSLUGH2; SNA; SNAH; SNAIL; SNAIL1;
dj710H13.1

Contact

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Background

The Drosophila embryonic protein snail is a zinc finger transcriptional repressor which downregulates the expression of ectodermal genes within the mesoderm. The nuclear protein encoded by this gene is structurally similar to the Drosophila snail protein, and is also thought to be critical for mesoderm formation in the developing embryo. At least two variants of a similar processed pseudogene have been found on chromosome 2. [provided by RefSeq, Jul 2008]

Product Information

Description

SNAI1 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:79bp deletion in exon2

Allele-2:79bp deletion in exon2

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 TCCTCAACCCAC*****AGGAGAGTCCCAGG
Mut TCCTCAACCCAC***Deletion***AGGAGAGTCCCAGG
Allele-1: 79bp deletion in exon2
WT TCCTCAACCCAC*****AGGAGAGTCCCAGG
Mut TCCTCAACCCAC***Deletion***AGGAGAGTCCCAGG
Allele-2: 79bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and SNAI1 knockout (KO) HeLa cells, using sanger sequencing.