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# SNAI1 Knockout HeLa Cell Lysate, Homozygous

**Catalog No.: RM01982**

## Basic Information

**Catalog No.**
RM01982

**Category**
Cell Lysate

**Parental Cell line**
HeLa

**Genotype**
Knockout

## 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]

## Gene Information

**Gene Symbol**
SNAI1

**Species**
Human

**Gene ID**
6615

**Swiss Prot**
O95863

**Synonyms**
SLUGH2; SNA; SNAH; SNAIL; SNAIL1; dJ710H13.1

## 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℃

**Amount**
50μL, 2μg/μL.

**Storage**
Store at -20℃

**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    TCCTCAACCCCACC**************AGGAGAGTCCCAGG
Mut   TCCTCAACCCCACC***Deletion***AGGAGAGTCCCAGG
Allele-1：79bp deletion in exon2
WT    TCCTCAACCCCACC**************AGGAGAGTCCCAGG
Mut   TCCTCAACCCCACC***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.



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