

SND1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02263

Basic Information

Catalog No.

RM02263

Category

Cell Lysate

Parental Cell line

HeLa

Genotype

Knockout

Gene Information

Gene Symbol

SND1

Species

Human

Gene ID

27044

Swiss Prot

Q7KZF4

Synonyms

TDRD11; Tudor-SN; p100

Contact

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Background

This gene encodes a transcriptional co-activator that interacts with the acidic domain of Epstein-Barr virus nuclear antigen 2 (EBNA 2), a transcriptional activator that is required for B-lymphocyte transformation. Other transcription factors that interact with this protein are signal transducers and activators of transcription, STATs. This protein is also thought to be essential for normal cell growth. A similar protein in mammals and other organisms is a component of the RNA-induced silencing complex (RISC). [provided by RefSeq, Jul 2016]

Product Information

Description

SND1 Knockout HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.

Allele-1:76bp deletion in exon2

Allele-2:76bp 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 GCGCCATCATTGTC*****GCCGGGCAGCCGCC
Mut GCGCCATCATTGTC***Deletion***GCCGGGCAGCCGCC
Allele-1: 76bp deletion in exon2
WT GCGCCATCATTGTC*****GCCGGGCAGCCGCC
Mut GCGCCATCATTGTC***Deletion***GCCGGGCAGCCGCC
Allele-2: 76bp deletion in exon2

Genome sequence analysis of PCR products from parental (WT) and SND1 Knockout (KO) HeLa cells, using sanger sequencing.