

HELLS Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM50029

Basic Information

Catalog No.

RM50029

Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockout

Gene Information

Gene Symbol

HELLS

Species

Human

Gene ID

3070

Swiss Prot

Q9NRZ9

Synonyms

LSH; ICF4; PASG; SMARCA6; Nbla10143;
LS

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Background

This gene encodes a lymphoid-specific helicase. Other helicases function in processes involving DNA strand separation, including replication, repair, recombination, and transcription. This protein is thought to be involved with cellular proliferation and may play a role in leukemogenesis. Alternatively spliced transcript variants encoding different isoforms have been identified.

Product Information

Description

HELLS Knockout cell line is engineered from 293T cell line with Gene-Editing Technology.

Allele-1:64bp deletion in exon8

Allele-2:64bp deletion in exon8

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 TTTTGACCCAGTC*****GATGGTACCAAGTA
Mut TTTTGACCCAGTC***Deletion***GATGGTACCAAGTA
Allele-1: 64bp deletion in exon8

WT TTTTGACCCAGTC*****GATGGTACCAAGTA
Mut TTTTGACCCAGTC***Deletion***GATGGTACCAAGTA
Allele-2: 64bp deletion in exon8

Genome sequence analysis of PCR products from parental (WT) and HELLS knockout (KO) 293T cells, using sanger sequencing.