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# HELLS Knockout 293T Cell Lysate, Homozygous

**Catalog No.: RM50029**

## Basic Information

**Catalog No.**
RM50029

**Category**
Cell Lysate

**Parental Cell line**
293T

**Genotype**
Knockout

## 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.

## Gene Information

**Gene Symbol**
HELLS

**Species**
Human

**Gene ID**
3070

**Swiss Prot**
Q9NRZ9

**Synonyms**
LSH; ICF4; PASG; SMARCA6; Nbla10143; LS

## 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℃

**Amount**
50μL, 2μg/μL.

**Storage**
Lysate is stable for 12 months when stored at -20℃. 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.

## Contact


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## Sequencing data

```
WT    TTTTTGACCCAGTC**********GATGGTACCAAGTA
Mut   TTTTTGACCCAGTC***Deletion***GATGGTACCAAGTA
AIlele-1:   64bp deletion in exon8

WT    TTTTTGACCCAGTC**********GATGGTACCAAGTA
Mut   TTTTTGACCCAGTC***Deletion***GATGGTACCAAGTA
AIlele-2:   64bp deletion in exon8
```

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