Leader in Biomolecular Solutions for Life Science

www.abclonal.com

HELLS Knockout 293T Cell Line, Homozygous

Catalog No.: RM02738

Basic Information

Catalog No.
RM02738

Category
Cell Line

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 line and 1 vial knockout cell line

Shipping Conditions
Dry ice

Amount
1~5x10^6 cells/vial.

Storage
Store at -20℃

Protocol
Upon arrival, it should be maintained in DMEM medium with 10%(v/v) fetal bovine serum and 100U penicillin-streptomycin, at 37℃ with 5% CO_2 condition.
1. Thaw the vial in 37℃ water bath ,and shake it to melt as soon as possible.
2. Transfer the cell suspension to a 15mL conical tube with pre-warmed 5mL complete medium and centrifuge 1000rpm for approximately 5 minutes at room temperature.
3. Remove and discard the supernatant.
4. Resuspend the cell pellet with 1mL pre-warmed complete medium and seed in 10cm dish.
5. Add 8-10mL of complete medium.
6. Incubate the culture at 37℃ incubator with 5% CO_2.
7. A subcultivation ratio of 1:2-1:4 is recommended.

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

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.