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GSDMD Knockdown HeLa Cell Line, Heterozygous

Catalog No.: RM02213

Basic Information

Catalog No.
RM02213

Category
Cell Line

Parental Cell line
HeLa

Genotype
Knockdown

Background

Gasdermin D is a member of the gasdermin family. Members of this family appear to play a role in regulation of epithelial proliferation. Gasdermin D has been suggested to act as a tumor suppressor. Alternatively spliced transcript variants have been described. [provided by RefSeq, Oct 2009]

Gene Information

Gene Symbol
GSDMD

Species
Human

Gene ID
79792

Swiss Prot
P57764

Synonyms
DF5L; DFNA5L; FKSG10; GSDMDC1

Product Information

Description
GSDMD Knockdown HeLa cell line is engineered from HeLa cell line with Gene-Editing Technology.
Allele-1:1bp insertion and 16bp deletion in exon1
Allele-2:85bp deletion in exon1
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.

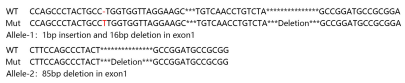
Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Sequencing data



Genome sequence analysis of PCR products from parental (WT) and GSDMD Knockdown (KD) HeLa cells, using sanger sequencing.