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FAM160B2 Knockdown HuH-7 Cell Line, Heterozygous

Catalog No.: RM02234

Basic Information

Catalog No.
RM02234

Category
Cell Line

Parental Cell line
HuH-7

Genotype
Knockdown

Gene Information

Gene Symbol
FAM160B2

Species
Human

Gene ID
64760

Swiss Prot
Q86V87

Synonyms
RAI16

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Background

Product Information

Description
FAM160B2 Knockdown HuH-7 cell line is engineered from HuH-7 cell line with Gene-Editing Technology.
Allele-1:2bp deletion in exon3
Allele-2:141bp deletion in exon3
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.

Sequencing data

WT TGAAAGCACCCCCGCCAAGAAGACAGACAT
Mut TGAAAGCACCCCCG - -AAGAAGACAGACAT
Allele-1: 2bp deletion in exon3

WT GAAAGCACCCCCGC**********GCTGGGCAAGGCCG
Mut GAAAGCACCCCCGC***Deletion***GCTGGGCAAGGCCG
Allele-2: 141bp deletion in exon3

Genome sequence analysis of PCR products from parental (WT) and FAM160B2 Knockdown (KD) Huh-7 cells, using sanger sequencing.