Leader in Biomolecular Solutions for Life Science

www.abclonal.com

TET3 Knockout 293T Cell Line, Homozygous

Catalog No.: RM01887

Basic Information

Catalog No.
RM01887

Category
Cell Line

Parental Cell line
293T

Genotype
Knockout

Gene Information

Gene Symbol
TET3

Species
Human

Gene ID
200424

Swiss Prot
O43151

Synonyms
hCG_40738

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Background

Members of the ten-eleven translocation (TET) gene family, including TET3, play a role in the DNA methylation process (Langemeijer et al., 2009 [PubMed 19923888]).[supplied by OMIM, Nov 2010]

Product Information

Description
TET3 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing Technology.
Allele-1:194bp deletion in exon3
Allele-2:196bp 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 GGAAGATGCCCACG**********CGGCATGGTATGAA
Mut GGAAGATGCCCACG***Deletion***CGGCATGGTATGAA
Allele-1: 194bp deletion in exon3

WT CCTGGAAGATGCCC**********GCGGCATGGTATGA
Mut CCTGGAAGATGCCC***Deletion***GCGGCATGGTATGA
Allele-2: 196bp deletion in exon3

Genome sequence analysis of PCR products from parental (WT) and TET3 knockout (KO) 293T cells, using sanger sequencing.

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.