

TET3 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02016

Basic Information

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Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockout

Gene Information

Gene Symbol

TET3

Species

Human

Gene ID

200424

Swiss Prot

O43151

Synonyms

hCG_40738

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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 Lysate and 1 vial knockout cell Lysate

Shipping Conditions

4°C

Amount

50µL, 2µg/µL.

Storage

Lysate is stable for 12 months when stored at -20°C. 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.

Sequencing data

WT GGAAGATGCCACG*****CGGCATGGTATGAA
Mut GGAAGATGCCACG***Deletion***CGGCATGGTATGAA
Allele-1: 194bp deletion in exon3
WT CCTGGAAGATGCC*****GCGGCATGGTATGA
Mut CCTGGAAGATGCC***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.