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TET3 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02016

Basic Information

Catalog No.
RM02016

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

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]

Gene Information

Gene Symbol
TET3

Species
Human

Gene ID
200424

Swiss Prot
O43151

Synonyms
hCG_40738

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℃

Amount
50μL, 2μg/μL.

Storage
Store at -20℃

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.

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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.

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