

ALKBH5 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02348

Basic Information

Catalog No.

RM02348

Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockout

Gene Information

Gene Symbol

ALKBH5

Species

Human

Gene ID

54890

Swiss Prot

Q6P6C2

Synonyms

ABH5; OFOXD; OFOXD1

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Background

Product Information

Description

ALKBH5 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.

Allele-1:89bp deletion in exon1

Allele-2:89bp 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 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 CCGGGACAACTATA*****TCCGGGGCCAAGCG
Mut CCGGGACAACTATA***Deletion***TCCGGGGCCAAGCG
Allele-1: 89bp deletion in exon1
WT CCGGGACAACTATA*****TCCGGGGCCAAGCG
Mut CCGGGACAACTATA***Deletion***TCCGGGGCCAAGCG
Allele-2: 89bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and ALKBH5 knockout (KO) 293T cells, using sanger sequencing.