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TFEB Knockdown HeLa Cell Lysate, Heterozygous

Catalog No.: RM02610

Basic Information

Catalog No.
RM02610

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockdown

Gene Information

Gene Symbol
TFEB

Species
Human

Gene ID
7942

Swiss Prot
P19484

Synonyms
ALPHATFEB; BHLHE35; TCFEB

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Background

Product Information

Description
TFEB Knockdown HeLa Cell Line is engineered from HeLa cell line with Gene-Editing technology.
Allele-1:76bp deletion in exon1
Allele-2:11bp and 1bp 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℃

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.

Sequencing data

WT AGCGGGAGCGCATGCAGC**********CATCAATACCA
Mut AACGGGAGCGCATGCAGC***Deletion***CATCAATACCA
Ilele-1: 76bp deletion in exon1

WT CAGCGGGA********AAC**GGC**********ATCAATAC
Mut CAACGGGA*Deletion*AAC**GGC**Deletion*ATCAATAC
Ilele-2: 11bp and 1bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and TFEB Knockdown (KD) HeLa cells, using sanger sequencing.