

EDF1 Knockout NIH/3T3 Cell Lysate, Homozygous

Catalog No.: RM02320

Basic Information

Catalog No.

RM02320

Category

Cell Lysate

Parental Cell line

NIH/3T3

Genotype

Knockout

Gene Information

Gene Symbol

EDF1

Species

Mouse

Gene ID

59022

Synonyms

0610008L11Rik; AA409425

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Background

Product Information

Description

EDF1 Knockout NIH/3T3 Cell Line is engineered from NIH3T3 cell line with Gene-Editing technology.

Allele-1:exon1 was deleted

Allele-2:exon1 was deleted

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 AGCAGCTGCCAGAG*****GGCGCTCTGCGGTC
Mut AGCAGCTGCCAGAG***Deletion***GGCGCTCTGCGGTC
Allele-1: exon1 was deleted
WT AGCAGCTGCCAGAG*****GGCGCTCTGCGGTC
Mut AGCAGCTGCCAGAG***Deletion***GGCGCTCTGCGGTC
Allele-2: exon1 was deleted

Genome sequence analysis of PCR products from parental (WT) and EDF1 knockout (KO) NIH3T3 cells, using sanger sequencing.