

# FAM50B Knockout NIH/3T3 Cell Lysate, Homozygous

Catalog No.: RM02335

## Basic Information

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**Catalog No.**

RM02335

**Category**

Cell Lysate

**Parental Cell line**

NIH/3T3

**Genotype**

Knockout

## Gene Information

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**Gene Symbol**

FAM50B

**Species**

Mouse

**Gene ID**

108161

**Synonyms**

DOH6S2654E; X5L; XAP-5-like

## Contact

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## Background

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## Product Information

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**Description**

FAM50B Knockout NIH/3T3 Cell Line is engineered from NIH/3T3 cell line with Gene-Editing technology.

Allele-1:56bp deletion in exon1

Allele-2:56bp 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

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WT GAAGCAGCGCATCG\*\*\*\*\*GCCGTGGAGGCCGA  
Mut GAAGCAGCGCATCG\*\*\*Deletion\*\*\*GCCGTGGAGGCCGA  
Allele-1: 56bp deletion in exon1  
WT GAAGCAGCGCATCG\*\*\*\*\*GCCGTGGAGGCCGA  
Mut GAAGCAGCGCATCG\*\*\*Deletion\*\*\*GCCGTGGAGGCCGA  
Allele-2: 56bp deletion in exon1

Genome sequence analysis of PCR products from parental (WT) and FAM50B knockout (KO) NIH3T3 cells, using sanger sequencing.