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TUB Knockout NIH/3T3 Cell Lysate, Homozygous

Catalog No.: RM02343

Basic Information

Catalog No.
RM02343

Category
Cell Lysate

Parental Cell line
NIH/3T3

Genotype
Knockout

Gene Information

Gene Symbol
TUB

Species
Mouse

Gene ID
22141

Synonyms
rd5; tub

Contact

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Background

Product Information

Description
TUB Knockout NIH/3T3 Cell Line is engineered from NIH/3T3 cell line with Gene-Editing technology.
Allele-1:37bp deletion in exon3
Allele-2:37bp 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.

Sequencing data

```
WT     CGCCAAGAGCCCTT**************CGGCGAGCCCGGCA
Mut    CGCCAAGAGCCCTT***Deletion***CGGCGAGCCCGGCA
Allele-1：37bp deletion in exon3
WT     CGCCAAGAGCCCTT**************CGGCGAGCCCGGCA
Mut    CGCCAAGAGCCCTT***Deletion***CGGCGAGCCCGGCA
Allele-2：37bp deletion in exon3
```

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

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