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MYSM1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM50044

Basic Information

Catalog No.
RM50044

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
MYSM1

Species
Human

Gene ID
114803

Swiss Prot
Q5VVJ2

Synonyms
2ADUB; BMFS4; 2A-DUB; MYSM1

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Background

Enables histone binding activity; peptidase activity; and transcription coactivator activity. Involved in several processes, including chromatin remodeling; monoubiquitinated histone H2A deubiquitination; and positive regulation of transcription by RNA polymerase II. Located in nucleolus and nucleoplasm. Part of protein-containing complex. Implicated in diabetic retinopathy.

Product Information

Description
MYSM1 Knockout cell line is engineered from HeLa 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℃

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   TCGGGA       GGAC*************TCCGGCAAGGGAAA
Mut  TCGGGATCTTGGAC***Deletion***TCCGGCAAGGGAAA
Allele-1:   exon1 was deleted

WT   TCTCGGGAGGACGG*************GCGGGCCCTGGGAA
Mut  TCTCGGGAGGACGG***Deletion***GCGGGCCCTGGGAA
Allele-2:   exon1 was deleted
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Genome sequence analysis of PCR products from parental (WT) and MYSM1 knockout (KO) HeLa cells, using sanger sequencing.

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