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RBM15 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM50003

Basic Information

Catalog No.
RM50003

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
RBM15

Species
Human

Gene ID
64783

Swiss Prot
Q96T37

Synonyms
OTT; OTT1; SPEN; RBM15

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Background

Members of the SPEN (Split-end) family of proteins, including RBM15, have repressor function in several signaling pathways and may bind to RNA through interaction with spliceosome components (Hiriart et al., 2005 [PubMed 16129689]).

Product Information

Description
RBM15 Knockout cell line is engineered from HeLa cell line with Gene-Editing Technology.
Allele-1:134bp deletion in exon1
Allele-2:134bp 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
Lysate is stable for 12 months when stored at -20℃. 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    CGACTTCCCGCGGT**********TACCGGTGGGGGC
Mut   CGACTTCCCGCGGT***Deletion***TACCGGTGGGGGC
Allele-1:   134bp deletion in exon1

WT    CGACTTCCCGCGGT**********TACCGGTGGGGGC
Mut   CGACTTCCCGCGGT***Deletion***TACCGGTGGGGGC
Allele-2:   134bp deletion in exon1
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Genome sequence analysis of PCR products from parental (WT) and RBM15 knockout (KO) HeLa cells, using sanger sequencing.