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MB21D1 Knockdown HeLa Cell Lysate, Heterozygous

Catalog No.: RM50148

Basic Information

Catalog No.
RM50148

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockdown

Background

Enables several functions, including 2',3'-cyclic GMP-AMP synthase activity; chromatin binding activity; and phosphatidylinositol-4,5-bisphosphate binding activity. Involved in several processes, including cellular response to exogenous dsRNA; positive regulation of intracellular signal transduction; and regulation of defense response. Located in several cellular components, including cytosol; nucleus; and site of double-strand break.

Gene Information

Gene Symbol
MB21D1

Species
Human

Gene ID
115004

Swiss Prot
Q8N884

Synonyms
MB21D1; h-cGAS; C6orf150; cGAS

Product Information

Description
MB21D1 Knockdown cell line is engineered from HeLa cell line with Gene-Editing Technology.
Allele-1:132bp deletion in exon1
Allele-2:125bp 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
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.

Contact

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Sequencing data

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WT    GAATGCCAGGGGCG**********TCCGCGCAACTGGG
Mut   GAATGCCAGGGGCG***Deletion***TCCGCGCAACTGGG
Allele-1:   132bp deletion in exon1

WT    CAGGGGCGCCCCGA**********GTCCGCGCAACTGG
Mut   CAGGGGCGCCCCGA***Deletion***GTCCGCGCAACTGG
Allele-2:   125bp deletion in exon1
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Genome sequence analysis of PCR products from parental (WT) and MB21D1 knockdown (KD) HeLa cells, using sanger sequencing.