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NLRX1 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM50040

Basic Information

Catalog No.
RM50040

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
NLRX1

Species
Human

Gene ID
79671

Swiss Prot
Q86UT6

Synonyms
NOD5; NOD9; NOD26; DLNB26; CLR11.3; NLRX1

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Background

The protein encoded by this gene is a member of the NLR family and localizes to the outer mitochondrial membrane. The encoded protein is a regulator of mitochondrial antivirus responses. Three transcript variants encoding the same protein have been found for this gene.

Product Information

Description
NLRX1 Knockout cell line is engineered from HeLa cell line with Gene-Editing Technology.
Allele-1:118bp deletion in exon4
Allele-2:104bp deletion in exon4
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    CCACTCAGAAGCTA**************TACCCCTGATGAGC
Mut   CCACTCAGAAGCTA***Deletion***TACCCCTGATGAGC
AIIele-1:   118bp deletion in exon4

WT    TATACAGCGGCACC**************AGTACCCCTGATGA
Mut   TATACAGCGGCACC***Deletion***AGTACCCCTGATGA
AIIele-2:   104bp deletion in exon4
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Genome sequence analysis of PCR products from parental (WT) and NLRX1 knockout (KO) HeLa cells, using sanger sequencing.