Leader in Biomolecular Solutions for Life Science

www.abclonal.com

NDUFB6 Knockout HeLa Cell Lysate, Homozygous

Catalog No.: RM02795

Basic Information

Catalog No.
RM02795

Category
Cell Lysate

Parental Cell line
HeLa

Genotype
Knockout

Gene Information

Gene Symbol
NDUFB6

Species
Human

Gene ID
4712

Swiss Prot
O95139

Synonyms
CI; B17

Contact

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Background

The protein encoded by this gene is a subunit of the multisubunit NADH:ubiquinone oxidoreductase (complex I). Mammalian complex I is composed of 45 different subunits. It locates at the mitochondrial inner membrane. This protein has NADH dehydrogenase activity and oxidoreductase activity. It transfers electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone. Alternative splicing occurs at this locus and three transcript variants encoding distinct isoforms have been identified.

Product Information

Description
NDUFB6 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    GTCCTTTTGCGTTG*************CGCTCAGTGCTCTG
Mut   GTCCTTTTGCGTTG***Deletion***CGCTCAGTGCTCTG
Allele-1:    exon1 was deleted

WT    CGTTGGTACCAGCG*************CAAGGACTGATAA
Mut   CGTTGGTACCAGCG***Deletion***CAAGGACTGATAA
Allele-2:    exon1 was deleted
```

Genome sequence analysis of PCR products from parental (WT) and NDUFB6 knockout (KO) HeLa cells, using sanger sequencing.

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.