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BECN1 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM01770

Basic Information

Catalog No.
RM01770

Category
Cell Lysate

Parental Cell line
293T

Genotype
Knockout

Background

This gene encodes a protein that regulates autophagy, a catabolic process of degradation induced by starvation. The encoded protein is a component of the phosphatidylinositol-3-kinase (PI3K) complex which mediates vesicle-trafficking processes. This protein is thought to play a role in multiple cellular processes, including tumorigenesis, neurodegeneration and apoptosis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015]

Gene Information

Species
Human

Gene ID
8678

Swiss Prot
Q14457

Synonyms
ATG6; VPS30; beclin1

Product Information

Description
BECN1 Knockout 293T Cell Line is engineered from 293T cell line with Gene-Editing technology.
Allele-1:104bp deletion in exon1
Allele-2:104bp 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

400-999-6126

cn.market@abclonal.com.cn

www.abclonal.com.cn

Sequencing data

```
WT    TCTTTTCCACGGCC**********CCGTGTCACCATCC
Mut   TCTTTTCCACGGCC***Deletion***CCGTGTCACCATCC
Allele-1:    104bp deletion in exon1

WT    TCTTTTCCACGGCC**********CCGTGTCACCATCC
Mut   TCTTTTCCACGGCC***Deletion***CCGTGTCACCATCC
Allele-2:    104bp deletion in exon1
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Genome sequence analysis of PCR products from parental (WT) and BECN1 knockout (KO) 293T cells, using sanger sequencing.