

BCL10 Knockout 293T Cell Lysate, Homozygous

Catalog No.: RM02487

Basic Information

Catalog No.

RM02487

Category

Cell Lysate

Parental Cell line

293T

Genotype

Knockout

Gene Information

Gene Symbol

BCL10

Species

Human

Gene ID

8915

Swiss Prot

O95999

SynonymsCARMEN; CIPER; CLAP; IMD37; c-E10;
mE10

Contact

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Background

This gene was identified by its translocation in a case of mucosa-associated lymphoid tissue (MALT) lymphoma. The protein encoded by this gene contains a caspase recruitment domain (CARD), and has been shown to induce apoptosis and to activate NF-kappaB. This protein is reported to interact with other CARD domain containing proteins including CARD9, 10, 11 and 14, which are thought to function as upstream regulators in NF-kappaB signaling. This protein is found to form a complex with MALT1, a protein encoded by another gene known to be translocated in MALT lymphoma. MALT1 and this protein are thought to synergize in the activation of NF-kappaB, and the deregulation of either of them may contribute to the same pathogenetic process that leads to the malignancy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]

Product Information

Description

BCL10 Knockout 293T Cell Line is engineered from 293T 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°C

Amount

50µL, 2µg/µL.

Storage

Lysate is stable for 12 months when stored at -20°C. 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

WT CCCGAGCTCCGGA*****GGTCGGAGGAGCGG
Mut CCCGAGCTCCGGA***Deletion***GGTCGGAGGAGCGG
Allele-1: exon1 was deleted

WT CCCGAGCTCCGGA*****GGTCGGAGGAGCGG
Mut CCCGAGCTCCGGA***Deletion***GGTCGGAGGAGCGG
Allele-2: exon1 was deleted

Genome sequence analysis of PCR products from parental (WT) and BCL10 knockout (KO) 293T cells, using sanger sequencing.