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# 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

**Synonyms**
CARMEN; 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℃

**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    CCCGAGCTCCCGGA**********GGTCGGAGGAGCGG
Mut   CCCGAGCTCCCGGA***Deletion***GGTCGGAGGAGCGG
Allele-1:   exon1 was deleted

WT    CCCGAGCTCCCGGA**********GGTCGGAGGAGCGG
Mut   CCCGAGCTCCCGGA***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.