## PRODUCT INFORMATION

## Catalog number

## ATGD0046

## Product type

cDNA
Species
Human

## NCBI Accession No.

NP_003912.1

## Alternative Names

B cell CLL/lymphoma 10, BCL10, Immune signaling adaptor, CARMEN, CIPER, mE10, c-E10, CLAP
mRNA Refseq
NM_003921.4

## OMIM

603517

## Chromosome location

1p22

## PRODUCT SPECIFICATION

## Formulation

Lyophilized

## Storage

Store the plasmid at -20C.
cDNA Size
702bp

## Preparation before usage

1. Centrifuge at 7000 rpm for 1 minute.
2. Carefully open the vial and add 100 ul of sterile water to dissolve the DNA.

Each tube contains approximately 10 ug of lyophilized plasmid.

## Vector description

This shuttle vector contains the complete ORF. It is inseted BamH I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

Cloning Vector
pATGen (puc19-derived cloning vector)

## General Description

## BCL10 cDNA

Catalog Number: ATGD0046

BCL10, also known as B-cell lymphoma/leukemia 10, 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. It 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.

## DATA

## Sequence nucleotides

ATGGAGCCCA CCGCACCGTC CCTCACCGAG GAGGACCTCA CTGAAGTGAA GAAGGACGCC TTAGAAAATT TACGTGTATA CCTGTGTGAG AAAATCATAG CTGAGAGACA TITTGATCAT CTACGTGCAA AAAAAATACT CAGTAGAGAA GACACTGAAG AAATTTCTTG TCGAACATCA AGTAGAAAAA GGGCTGGAAA ATTGTTAGAC TACTTACAGG AAAACCCAAA AGGTCTGGAC ACCCTTGTTG AATCTATTCG GCGAGAAAAA ACACAGAACT TCCTGATACA GAAGATTACA GATGAAGTGC TGAAACTTAG AAATATAAAA CTAGAACATC TGAAAGGACT AAAATGTAGC AGTTGTGAAC CTTTTCCAGA TGGAGCCACG AACAACCTCT CCAGATCAAA TTCAGATGAG AGTAATTTCT CTGAAAAACT GAGGGCATCC ACTGTCATGT ACCATCCAGA AGGAGAATCC AGCACGACGC ССТTTTTTC TACTAATTCT TCTCTGAATT TGCCTGTTCT AGAAGTAGGC AGAACTGAAA ATACCATCTT CTCTTCAACT ACACTTCCCA GACCTGGGGA CCCAGGGGCT CCTCCTTTGC CACCAGATCT ACAGTTAGAA GAAGAAGGAA CTTGTGCAAA CTCTAGTGAG ATGTTTCTTC CCTTAAGATC ACGTACTGTT TCACGACAAT GA

## Transaction Sequence

MEPTAPSLTE EDLTEVKKDA LENLRVYLCE KIIAERHFDH LRAKKILSRE DTEEISCRTS SRKRAGKLLD YLQENPKGLD TLVESIRREK TQNFLIQKIT DEVLKLRNIK LEHLKGLKCS SCEPFPDGAT NNLSRSNSDE SNFSEKLRAS TVMYHPEGES STTPFFSTNS SLNLPVLEVG RTENTIFSST TLPRPGDPGA PPLPPDLQLE EEGTCANSSE MFLPLRSRTV SRQ

