

## Active Recombinant Human B-cell CLL/lymphoma 10

**Cat. No.** BCL10-1016H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>Description</b>	Bcl-10 is an intracellular signaling protein identified from the t (p22;q32) breakpoint in MALT lymphomas. The human Bcl-10 gene encodes a protein of 233 amino acids containing an N-terminal Caspase Recruitment Domain (CARD) that mediates self-oligomerization and the C-terminal region of Bcl-10. Bcl-10 is expressed ubiquitously with high expression levels in lymphoid tissues and in the developing central nerve system. Mutations have been found in cases of follicular lymphoma and diffuse large B cell lymphoma. Bcl-10 is a positive regulator of antigen receptor induced NF- $\kappa$ B activation and Bcl-10-initiated activation of NF- $\kappa$ B can be inhibited by cotransfection of dominant-negative mutants of TRAF2, NIK, IKK $\alpha$ or I $\kappa$ B $\alpha$ . The wild type human Bcl-10 protein was expressed in baculovirus system and purified by an affinity column in combination with FPLC chromatography. Purified protein is greater than 95% homogeneous and contains no detectable proteases, DNase, and RNase activity.
<b>Form</b>	Liquid. Supplied in 20 mM Tris-HCl pH 8.0, 100 mM KCl, 0.2 mM EDTA, 1 mM DTT and 20% glycerol.
<b>Purity</b>	> 95% by SDS-PAGE.
<b>Activity</b>	100 ng are required for a protein-protein interaction assay.
<b>Application</b>	Recombinant Bcl-10 protein can be used for 1) protein-protein interaction assay 2) for

 Tel: 1-631-559-9269   1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)    Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	in vitro transcription assay 3) for cell growth assay.
<b>Usage</b>	For in vitro use only.
<b>Storage</b>	Quality guaranteed for 12 months store at -80°C Avoid freeze / thaw cycles
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">BCL10 B-cell CLL/lymphoma 10 [ Homo sapiens ]</a>
<b>Synonyms</b>	BCL10; B-cell CLL/lymphoma 10; CLAP; mE10; CIPER; c-E10; CARMEN; OTTHUMP00000011647; OTTHUMP00000036080; CARD-containing proapoptotic protein; CARD containing molecule enhancing NF- $\kappa$ B; CARD-containing apoptotic signaling protein; caspase-recruiting domain-containing protein; CARD-like apoptotic protein; Bcl-10; B-cell CLL/lymphoma 10; hCLAP; Cellular-E10; mE10; Mammalian CARD-containing adapter molecule E10; cCARMEN; Cellular homolog of vCARMEN; Cellular homolog of vCARMEN
<b>Gene ID</b>	<a href="#">8915</a>
<b>mRNA Refseq</b>	<a href="#">NM_003921</a>
<b>Protein Refseq</b>	<a href="#">NP_003912</a>
<b>MIM</b>	<a href="#">603517</a>
<b>UniProt ID</b>	<a href="#">O95999</a>
<b>Chromosome Location</b>	1p22

<b>Pathway</b>	B cell receptor signaling pathway; T cell receptor signaling pathway
<b>Function</b>	NF-kappaB binding; kinase activator activity; protein C-terminus binding; protein kinase B binding; protein self-association; transcription coactivator activity; ubiquitin binding; ubiquitin protein ligase binding