

## Active Recombinant Human BCL10, His-tagged

Cat. No. BCL10-8496H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human BCL10, fused with His tag, was expressed in Sf21 Cells.
<b>Species</b>	Human
<b>Source</b>	Sf21 Cells
<b>Description</b>	Bcl-10 is an intracellular signaling protein identified from the t(1;14)(p22;q32) breakpoint in MALT lymphomas. The human Bcl10 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 (4-6). 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-kB activation and Bcl-10-initiated activation of NF-kB can be inhibited by cotransfection of dominant-negative mutants of TRAF2, NIK, IKKa or IkbBa (3-5, 8).
<b>Form</b>	20 mM Tris-Cl, pH 7.9, 20% Glycerol, 100 mM KCl, 1 mM DTT and 0.2 mM EDTA
<b>Bio-activity</b>	1 unit equals 1 ng of purified protein. 100 units are required for a protein-protein interaction assay.
<b>AA Sequence</b>	MEPTAPSLTE EDLTEVKKDA LENLRVYLCE KIIAERHFDH LRAKKILSRE DTEEISCRTS SRKRAGKLLD YLQENPKGLD TLVESIRREK TQNFLIQKIT DEVLKLARNIK LEHLKGLKCS SCEPPDGAT NNLSRSNSDE SNFSEKLRAS

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TVMYHPEGES STTPFFSTNS SLNLPVLEVG RTENTIFSST TLPRPGDPGA  
PPLPPDLQLE EEGTCANSSE MFLPLRSRTV SRQ

**Purity** >95% as determined by SDS-PAGE

**Storage** -80 °C

**Concentration** 250 µg/ml

**Shipping** Dry Ice

## GENE INFORMATION

**Gene Name** [BCL10 B-cell CLL/lymphoma 10 \[ Homo sapiens \]](#)

**Official Symbol** BCL10

**Synonyms**

BCL10; B-cell CLL/lymphoma 10; B-cell lymphoma/leukemia 10; c E10; CARD containing molecule enhancing NF kB; CARD containing apoptotic signaling protein; CARD containing proapoptotic protein; CARD like apoptotic protein; CARMEN; caspase recruiting domain containing protein; CIPER; CLAP; mE10; hCLAP; cCARMEN; cellular-E10; cellular homolog of vCARMEN; CARD-containing proapoptotic protein; CARD containing molecule enhancing NF-kB; CARD-containing apoptotic signaling protein; caspase-recruiting domain-containing protein; CARD-containing molecule enhancing NF-kappa-B; mammalian CARD-containing adapter molecule E10; CED-3/ICH-1 prodomain homologous E10-like regulator; c-E10;

**Gene ID** [8915](#)

**mRNA Refseq** [NM\\_003921](#)

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<b>Protein Refseq</b>	NP_003912
<b>MIM</b>	603517
<b>UniProt ID</b>	O95999
<b>Chromosome Location</b>	1p22
<b>Pathway</b>	Activation of NF-kappaB in B Cells, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; B cell receptor signaling pathway, organism-specific biosystem; B cell receptor signaling pathway, conserved biosystem; BCR signaling pathway, organism-specific biosystem; Canonical NF-kappaB pathway, organism-specific biosystem;
<b>Function</b>	NF-kappaB binding; enzyme binding; contributes_to kinase activator activity; kinase binding; protease binding; protein C-terminus binding; protein binding; protein kinase B binding; protein kinase binding; protein self-association; transcription coactivator activity; transcription factor binding; ubiquitin binding; ubiquitin protein ligase binding;

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