

Active Recombinant Human BCL10, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human BCL10, fused with His tag, was expressed in Sf21 Cells.
Species	Human
Source	Sf21 Cells
Description	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).
Form	20 mM Tris-Cl, pH 7.9, 20% Glycerol, 100 mM KCl, 1 mM DTT and 0.2 mM EDTA
Bio-activity	1 unit equals 1 ng of purified protein. 100 units are required for a protein-protein interaction assay.
AA Sequence	MEPTAPSLTE EDLTEVKKDA LENLRVYLCE KIIAERHFDH LRAKKILSRE DTEEISCRTS SRKRAGKLLD YLQENPKGLD TLVESIRREK TQNFLIQKIT DEVCLKLRNIK LEHLKGLKCS SCEFPDGDGAT NNLSRSNSDE SNFSEKLRS

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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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Protein Refseq	NP_003912
MIM	603517
UniProt ID	O95999
Chromosome Location	1p22
Pathway	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;
Function	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;