

Active Recombinant Human B-cell CLL/lymphoma 10

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

SPECIFICATION

Product Overview

Species Human

Source Sf9 Cells

Description

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 Cterminal 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 antigenreceptor induced NF-B activation and Bcl-10-initiated activation of NF-B can be inhibited by cotransfection of dominant-negative mutants of TRAF2, NIK, IKKa or IkBa. 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.

Form

Liquid. Supplied in 20 mM Tris-HCl pH 8.0, 100 mM KCl, 0.2 mM EDTA, 1 mM DTT and 20% glycerol.

Purity

> 95% by SDS-PAGE.

Activity

100 ng are required for a protein-protein interaction assay.

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Application	Recombinant Bcl-10 protein can be used for 1) protein-protein interaction assay 2) for in vitro transcription assay 3) for cell growth assay.
Usage	For in vitro use only.
Storage	Quality guaranteed for 12 months store at -80°C Avoid freeze / thaw cycles

GENE INFORMATION

Gene Name	BCL10 B-cell CLL/lymphoma 10 [Homo sapiens]
Synonyms	BCL10; B-cell CLL/lymphoma 10; CLAP; mE10; CIPER; c-E10; CARMEN; OTTHUMP00000011647; OTTHUMP00000036080; CARD-containing proapoptotic protein; CARD containing molecule enhancing NF-kB; 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
Gene ID	8915
mRNA Refseq	NM_003921
Protein Refseq	NP_003912
MIM	603517
UniProt ID	O95999
Chromosome Location	1p22

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Pathway	B cell receptor signaling pathway; T cell receptor signaling pathway
Function	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

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