Recombinant Human BCL10 Protein, His-tagged

Cat. No. BCL10-16H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human BCL10 protein (1-233aa), fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
ProteinLength	1-233 a.a.
Description	This gene was identified by its translocation in a case of mucosa-associated lymphoid tissue (MALT) lymphoma. The protein encoded by this gene 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. This protein 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. Alternative splicing results in multiple transcript variants.
Form	Liquid
Molecular Mass	28.8 kDa (257aa)

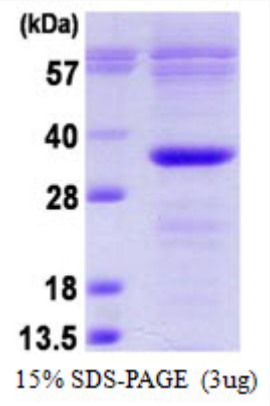
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

AA Sequence	MGSSHHHHHHSSGLVPRGSHMGSHMEPTAPSLTEEDLTEVKKDALENLRVYLCEKI IAERHFDHLRAKKILSREDTEEISCRTSSRKRAGKLLDYLQENPKGLDTLVESIRREKT QNFLIQKITDEVLKLRNIKLEHLKGLKCSSCEPFPDGATNNLSRSNSDESNFSEKLRA STVMYHPEGESSTTPFFSTNSSLNLPVLEVGRTENTIFSSTTLPRPGDPGAPPLPPD LQLEEEGTCANSSEMFLPLRSRTVSRQ
Purity	> 85% by SDS-PAGE
Applications	SDS-PAGE
Storage	Can be stored at 2 to 8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/mL (determined by Bradford assay)
Storage Buffer	20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.05M NaCl, 1mM DTT

GENE INFORMATION

Gene Name	BCL10 BCL10 immune signaling adaptor [Homo sapiens (human)]
Official Symbol	BCL10
Synonyms	BCL10; BCL10 immune signaling adaptor; CLAP; mE10; CIPER; IMD37; c-E10; CARMEN; B-cell lymphoma/leukemia 10; B cell CLL/lymphoma 10; CARD containing molecule enhancing NF-kB; CARD-containing apoptotic signaling protein; CARD-containing molecule enhancing NF-kappa-B; CARD-containing proapoptotic protein; CED-3/ICH-1 prodomain homologous E10-like regulator; cCARMEN; caspase-recruiting domain-containing protein; cellular homolog of vCARMEN; cellular-E10; hCLAP; mammalian CARD-containing adapter molecule E10

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Gene ID	8915
mRNA Refseq	NM_003921
Protein Refseq	NP_003912
MIM	603517
UniProt ID	O95999
SDS-PAGE	 15% SDS-PAGE (3ug) 3 μg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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