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**Product Data Sheet**


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Product Name: BCL10 Human  
 Cat. No.: GP22847  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	B-cell CLL/lymphoma 10; B-cell lymphoma/leukemia 10; Mammalian CARD-containing adapter molecule E10; CARD-containing molecule enhancing NF-kappa-B; CED-3/ICH-1 prodomain homologous E10-like regulator; CARD-containing apoptotic signaling protein; caspase-recruiting domain-containing protein; Cellular homolog of vCARMEN; cellular-E10; c-E10; CARD-like apoptotic protein; cCARMEN; mE10; CLAP; CIPER; Bcl-10.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSHEPTAP SLTEEDLTEV KKDALENLRV YLCEKIIAER HFDHLRAKKI LSREDTEEIS CRTSSRK RAG KLLDYLQENP KGLDTLVESI RREKTQNFLI QKITDEV LKL RNIKLEHLKG LKCSSCEPFP DGATNNLSRS NSDESNFSEK LRASTVMYHP EGESSTTPFF STNSSLNLPV LEVGR TENTI FSSTTLPRPG DPGAPPLPPD LQLEEEGTCA NSSEMFLPLR SRTVSRQ.		
Formulation	The BCL10 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 50mM NaCl, 1mM DTT and 10% glycerol.		

**Introduction**

BCL10 holds a caspase recruitment domain (CARD), and is known as an inducer of apoptosis and as NF-kappaB activator. BCL10 cooperates with other CARD domain containing proteins such as CARD9, 10, 11 and 14, which operates as upstream regulators in NF-kappaB signaling. BCL10 is known to create a complex with MALT1, a protein encoded by another gene and is translocated in MALT lymphoma. MALT1 and BCL10 protein synergize the activation of NF-kappaB, and the deregulation of either of them facilitates the same pathogenetic process which leads to the malignancy.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

BCL10 Human Recombinant produced in E. coli is a single polypeptide chain containing 257 amino acids (1-233) and having a molecular mass of 28.8kDa (molecular weight on SDS-PAGE will appear higher). BCL10 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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