



**Catalog Number:** PR27248

**Product Type:** Recombinant Protein

**Source:** *E. Coli*

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MGSMEPTAP SLTEEDLTEV KKDALENLRV YLCEKIIAER  
HFDHLRAKKI LSREDTEEIS CRTSSRKRAG KLLDYLQENP KGLDTLVESI RREKTQNFLI QKITDEVLKL  
RNIKLEHLKG LKCSSEPFPP DGATNNLSRS NSDESNFSEK LRASTVMYHP EGESSTTPFF  
STNSSLNLPV LEVGRTEENTI FSSTTLPRPG DPGAPPLPPD LQLEEEGTCA NSSEMFLPLR SRTVSRQ.

**Description/Molecular Mass:** 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.

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.

**Purity:** Greater than 85.0% as determined by:  
(a) Analysis by SDS-PAGE.

**Format:** The BCL10 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 50mM NaCl, 1mM DTT and 10% glycerol.

**Storage:** 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.

### FOR RESEARCH USE ONLY

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