

AR50282PU-N

Human Bcl-10 (1-233, His-tag) - Purified

Alternate names:

B-cell CLL/lymphoma 10, BCL10, CARD-containing molecule enhancing NF-kappa-B, CARD-like apoptotic protein, CED-3/ICH-1 prodomain homologous E10-like regulator, CIPER, CLAP, Cellular homolog of vCARMEN, Cellular-E10, Mammalian CARD-containing adapter molecule E10, c-E10, cCARMEN, hCLAP, mE10

Quantity:

50 µg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

BCL10, also known as B-cell lymphoma/leukemia 10, 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. It 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.

Uniprot ID:

[O95999](#)

NCBI:

[NP_003912](#)

GeneID:

[8915](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 0.05M NaCl, 1mM DTT

Description:

Recombinant human BCL10 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSMEPTAP SLTEEDLTEV KKDALENLRV YLCEKIIAER
HFDHLRAKKI LSREDTEEIS CRTSSRKRAK KLLDYLQENP KGLDTLVESI RREKTQNFLI
QKITDEVCLK RNIKLEHLKG LKCSSCEPFP DGATNNLSRS NSDESNFSEK LRASTVMYHP
EGESSTTPFF STNSSNLNPV LEVGRTEINT FSSTTLPRPG DPGAPPLPPD LQLEEEGTCA
NSSEMFLPLR SRTVSRQ

Molecular weight: 28.8 kDa (257aa) confirmed by MALDI-TOF (molecular weight on SDS-PAGE will appear higher)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.

General Readings:

Rebeaud F., et al. (2008) Nat. Immunol. 9:272-281 Yui D., et al. (2001) Oncogene. 20:4317-4323

Pictures:

