

BCL2

Recombinant Human B-Cell CLL/Lymphoma 2 (aa 1-206) His

Catalog No.	CRB127A	Quantity:	2 µg
	CRB127B		10 µg
	CRB127C		1.0 mg

Alternate Names: Apoptosis regulator Bcl-2, BCL2, B-cell CLL/lymphoma 2, Bcl-2.

Description: BCL2 gene encodes an integral outer mitochondrial membrane protein that blocks the apoptotic death of some cells such as lymphocytes. Constitutive expression of BCL2, such as in the case of translocation of BCL2 to Ig heavy chain locus, is thought to be the cause of follicular lymphoma. Two transcript variants, produced by alternate splicing, differ in their C-terminal ends.

Bcl-2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing amino acids 1-206. The wild type Bcl-2 is missing 12 amino acids from C-terminus. C-terminus is fused to His-Tag. C-terminus his-tag, mimics the deleted C-terminus membrane domain thus maintaining its biological activity. Bcl-2 is purified by proprietary chromatographic techniques.

Gene ID: 596

Source: *E. coli*

Formulation: Lyophilized from a sterile filtered solution containing 10 mM Tris-HCl, pH 8.0 + 1 mM EDTA + 250 mM NaCl

Purity: > 95% as determined by RP-HPLC and SDS-PAGE analyses

Endotoxin Level: < 0.1 ng/µg of BCL2

Reconstitution: **Centrifuge vial prior to opening.** Suspend BCL2 in 100 µl of 0.5M Acetic acid, over night at 2-4°C. Dilute 10 fold into selected buffer system. Because BCL2 has a tendency to form intramolecular disulfide bond, 5 mM DTT is recommended in assay buffer. When running SDS-PAGE gel, 10 mM DTT is recommended.

Applications: Input marker or positive control (Western Blot)
Function study (Binding Assay)
The optimal concentration should be determined by the user for each specific application.

Storage & Stability: Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week at 2-4°C. For long term storage, aliquot and store at -20°C to -80°C with a carrier protein (0.1% HSA or BSA) as a stabilizer. **Please note that the addition of any carrier protein into this product may produce unwanted endotoxin. This depends upon the particular application employed. Avoid repeated freeze-thaw cycles.**

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

