

## B-Cell Leukemia/Lymphoma 2 Human Recombinant (-BH4)

**Item Number** rAP-2834

**Synonyms** Apoptosis regulator Bcl-2, BCL2, B-cell CLL/lymphoma 2, Bcl-2.

**Description** Bcl-2 Des BH4 domain (10-30 residues) Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 197 amino acids 1-9 and 31-218. The Bcl-2 is expressed as His-Tag fusion protein and purified by proprietary chromatographic techniques.

**Uniprot Accesion Number** P10415

**Amino Acid Sequence**

**Source** Escherichia Coli.

**Physical Appearance and Stability** Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Bcl-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Bcl-2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Formulation and Purity** The protein contains 10mM Tris-HCl pH-8, 1mM EDTA and 250mM NaCl. Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

**Application**

**Solubility** Suspend Bcl-2 in 100µl of 0.5M Acetic acid, over night at 4°C. Dilute 10 fold into selected buffer system. BCL-2 has tendency to form intramolecular disulfide bond, 5mM DTT is recommended in assay buffer. When running SDS-PAGE gel, 10mM DTT is recommended.

**Biological Activity**

**Shipping Format and Condition** Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**