

Recombinant Human B-cell CLL/lymphoma 2, His-tagged

Cat. No. BCL2-5361H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human BCL2 was expressed in E. coli.
Species	Human
Source	E.coli
Description	Recombinant human BCL2 with His Tag, excluding the BH3 domain, which corresponds to amino acids 93-107. This is a single, non-glycosylated polypeptide chain containing 203 amino acid residues consisting of amino acids 1-92 and 108-218.
Form	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/ug of BCL2
Reconstitution	Centrifuge vial prior to opening. Suspend BCL2 in 100 ul of 0.5 M Acetic acid, overnight 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	Western Blot; Binding Assay
Storage	Store lyophilized protein at -20°C to -80°C. Reconstituted protein is stable for 1 week

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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.

Official Symbol BCL2

GENE INFORMATION

Gene Name BCL2 B-cell CLL/lymphoma 2 [Homo sapiens]

Synonyms BCL2; B-cell CLL/lymphoma 2; Bcl-2; PPP1R50; apoptosis regulator Bcl-2; protein phosphatase 1, regulatory subunit 50

Gene ID 596

mRNA Refseq NM_000633

Protein Refseq NP_000624

MIM 151430

UniProt ID P10415

Chromosome Location 18q21.3

Pathway ATF-2 transcription factor network; Activation of BH3-only proteins; Apoptosis; B Cell Receptor Signaling Pathway; C-MYB transcription factor network; Cholinergic synapse; Colorectal cancer; Direct p53 effectors; EPO signaling pathway; Focal Adhesion; IL-2 Signaling Pathway; Immune System; Prostate cancer; Small cell lung

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cancer; Toxoplasmosis

Function

BH3 domain binding; channel activity; identical protein binding; protease binding; protein binding; protein heterodimerization activity; protein homodimerization activity; protein phosphatase 2A binding; sequence-specific DNA binding; transcription factor binding; ubiquitin protein ligase binding

**PDB rendering based
on 1GJH, 1G5M.**

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