

## Recombinant Human B-Cell CLL/Lymphoma 2, His-tagged

Cat. No. BCL2-5296H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinanthuman BCL2 with His Tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Recombinanthuman BCL2 with His Tag, excluding the BH4 domain, which corresponds to aminoacids 10-30. This is a single, non-glycosylated polypeptide chain containing 197 amino acid residues consisting of amino acids 1-9 and 31-218.
<b>Form</b>	Lyophilized from a sterile filtered solution containing 10 mM Tris-HCl, pH 8.0 + 1 mM EDTA + 250mM NaCl.
<b>Purity</b>	> 95% as determined by RP-HPLC and SDS-PAGE analyses.
<b>Storage</b>	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.
<b>Official Symbol</b>	BCL2

### GENE INFORMATION

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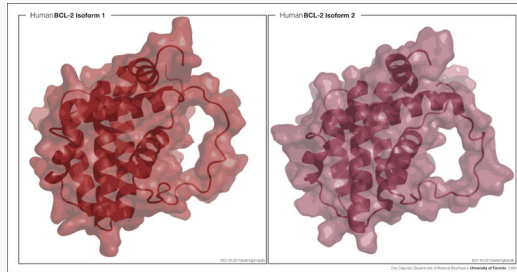
<b>Gene Name</b>	BCL2 B-cell CLL/lymphoma 2 [ Homosapiens ]
<b>Synonyms</b>	BCL2; B-cellCLL/lymphoma 2; Bcl-2; PPP1R50; apoptosisregulator Bcl-2; protein phosphatase 1, regulatory subunit 50
<b>Gene ID</b>	596
<b>mRNA Refseq</b>	NM_000633
<b>Protein Refseq</b>	NP_000624
<b>MIM</b>	151430
<b>UniProt ID</b>	P10415
<b>Chromosome Location</b>	18q21.33; 18q21.3
<b>Pathway</b>	ATF-2 transcriptionfactor network; Activation of BAD and translocation to mitochondria;Activation of BH3-only proteins; Amyotrophic lateral sclerosis (ALS);Apoptosis; B Cell Receptor Signaling Pathway; BH3-only proteins associatewith and inactivate anti-apoptotic BCL-2 members; Caspase cascade inapoptosis; Cholinergic synapse; Colorectal cancer; RXR and RARheterodimerization with other nuclear receptor; Small cell lung cancer; TheNLRP1 inflammasome; Toxoplasmosis; Tuberculosis
<b>Function</b>	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; transcriptionfactor binding; ubiquitin protein ligase binding

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PDB rendering  
based on  
1GJH,1G5M.



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