

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

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

SPECIFICATION

Product Overview	Recombinanthuman BCL2 with His Tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	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.
Form	Lyophilized from a sterile filtered solution containing 10 mM Tris-HCl, pH 8.0 + 1 mM EDTA + 250mM NaCl.
Purity	> 95% as determined by RP-HPLC and SDS-PAGE analyses.
Storage	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.
Official Symbol	BCL2

GENE INFORMATION

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Gene Name	BCL2 B-cell CLL/lymphoma 2 [Homosapiens]
Synonyms	BCL2; B-cellCLL/lymphoma 2; Bcl-2; PPP1R50; apoptosisregulator 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	18q21.33; 18q21.3
Pathway	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
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; transcriptionfactor binding; ubiquitin protein ligase binding

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PDB rendering
based on
1GJH,1G5M.

