

## Recombinant Human B-cell CLL/Lymphoma 2, GST-tagged

Cat. No. BCL2-5298H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human BCL2 was expressed in vitro Wheat Germ expression system.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	Recombinant Human BCL2 (aa 140-239) partial protein with N-terminal GST Tag has a Gene ID of BCL2 (596). This 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.
<b>Form</b>	Sterile filtered liquid in a buffer of 50 mM Tris-HCl + 10 mM reduced Glutathione, pH 8.0.
<b>Molecular Weight</b>	37 kDa
<b>Concentration</b>	0.036 mg/ml
<b>Applications</b>	Western Blot; ELISA; Antibody Production; Array
<b>Storage</b>	Stable for 1 year in working aliquots at -80°C. Avoid repeated freeze-thaw cycles.
<b>Official Symbol</b>	BCL2

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## GENE INFORMATION

<b>Gene Name</b>	BCL2 B-cell CLL/lymphoma 2 [ Homosapiens ]
<b>Synonyms</b>	BCL2; B-cellCLL/lymphoma 2; Bcl-2; PPP1R50; apoptosis regulator Bcl-2; proteinphosphatase 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>	18q21.3
<b>Pathway</b>	ATF-2 transcriptionfactor network; Activation of BH3-only proteins; Apoptosis; B Cell Receptor SignalingPathway; C-MYB transcription factor network; Cholinergic synapse; Colorectalcancer; Direct p53 effectors; EPO signaling pathway; Focal Adhesion; IL-2Signaling Pathway; Immune System; Prostate cancer; Small cell lung cancer; Toxoplasmosis
<b>Function</b>	BH3 domain binding; channelactivity; identical protein binding; protease binding; protein binding; proteinheterodimerization activity; protein homodimerization activity; proteinphosphatase 2A binding; sequence-specific DNA binding; transcription factorbinding; ubiquitin protein ligase binding

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