

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

**Cat. No.** BCL2-322H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human BCL2 was expressed in E. coli cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	BCL2 gene encodes an integral inner mitochondrial membrane protein that acts as an antiapoptotic protein. The protein BAD can antagonize both the cell cycle and antiapoptotic functions of BCL2 through binding to the BH3 domain. 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. BCL2 is phosphorylated on specific serine/threonine residues within the unstructured loop in response to diverse stimuli and such phosphorylation has been associated with the loss of the biological function of BCL2.
<b>Applications</b>	Western Blot
<b>Molecular Weight</b>	51 kDa
<b>Expression System</b>	E.coli
<b>Form</b>	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

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<b>Purity</b>	> 70 %
<b>Concentration</b>	0.2 ug/ul
<b>Sequences</b>	Full-length
<b>Storage</b>	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
<b>Pathways</b>	ATF-2 transcription factor network; Activation of BH3-only proteins; Amyotrophic lateral sclerosis (ALS); Apoptosis; B Cell Receptor Signaling Pathway; Cholinergic synapse; Colorectal cancer; Focal adhesion; Estrogen signaling pathway; Estrogen signaling pathway; Immune System; Neurotrophin signaling pathway; Pathways in cancer; Prostate cancer; Small cell lung cancer; Protein processing in endoplasmic reticulum

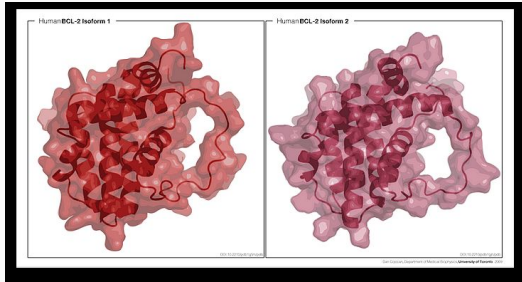
## GENE INFORMATION

<b>Gene Name</b>	<a href="#">BCL2 B-cell CLL/lymphoma 2 [ Homo sapiens ]</a>
<b>Official Symbol</b>	BAL2
<b>Synonyms</b>	BCL2; B-cell CLL/lymphoma 2; Bcl-2; apoptosis regulator Bcl-2; Apoptosis regulator Bcl-2
<b>Gene ID</b>	<a href="#">596</a>
<b>mRNA Refseq</b>	<a href="#">NM_000633</a>
<b>Protein Refseq</b>	<a href="#">NP_000624</a>

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<b>MIM</b>	151430
<b>UniProt ID</b>	P10415
<b>Chromosome Location</b>	18q21.3
<b>Function</b>	BH3 domain binding; channel activity ; identical protein binding; Protease binding; protein binding; Protein Heterodimerization activity; Protein homodimerization activity; Transcription activator activity; Transcription factor binding; sequence-specific DNA binding; ubiquitin protein ligase binding
<b>BCL-2 human.</b>	

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