

## Datasheet for ABIN6699537

### Bcl-2 Protein (GST tag)



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#### Overview

Quantity:	20 µg
Target:	Bcl-2 (BCL2)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Bcl-2 protein is labelled with GST tag.
Application:	Western Blotting (WB)

#### Product Details

Purpose:	BCL2 recombinant protein-GST fusion protein
Purification:	Recombinant full-length human BCL2 was expressed in E. coli cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >80% by densitometry.
Purity:	>80%

#### Target Details

Target:	Bcl-2 (BCL2)
Alternative Name:	BCL2 ( <a href="#">BCL2 Products</a> )
Background:	<p>Synonyms: Bcl-2, Apoptosis regulator Bcl-2</p> <p>Background: BCL2 gene encodes an integral inner mitochondrial membrane protein that acts as an antiapoptotic protein (1). The protein BAD can antagonize both the cell cycle and</p>

## Target Details

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 (2). 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. BCL2 Protein is ideal for investigators involved in Signaling Proteins, Apoptosis Proteins, Apoptosis/Autophagy, Cancer, Cellular Stress, and Neurobiology research.

NCBI Accession: [NM\\_000633](#)

Pathways: [MAPK Signaling](#), [PI3K-Akt Signaling](#), [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [Regulation of Muscle Cell Differentiation](#), [Cell-Cell Junction Organization](#), [Skeletal Muscle Fiber Development](#), [Autophagy](#), [Smooth Muscle Cell Migration](#), [Negative Regulation of intrinsic apoptotic Signaling](#)

## Application Details

Application Notes: Application Note: BCL2 Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol. BCL2 Protein is suitable for use in Western Blot. Expect a band approximately ~ 51 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Western Blot Dilution: User Optimized

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.2 µg/mL

Buffer: BCL2 Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.

Storage: -80 °C

Storage Comment: 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.

Expiry Date: 12 months