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Datasheet for ABIN7319694  
**Bcl-2 Protein (His tag)**

### Overview

Quantity:	50 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 His tag.

### Product Details

Purpose:	Recombinant Human BCL2/Bcl-2 Protein (His Tag)
Sequence:	Met1-Asp211
Characteristics:	Recombinant Human BCL2 is produced by our E.coli expression system and the target gene encoding Met1-Asp211 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

### Target Details

Target:	Bcl-2 (BCL2)
Alternative Name:	BCL2/Bcl-2 ( <a href="#">BCL2 Products</a> )
Background:	Background: Bcl-2 is a member of a family of proteins that regulates outer mitochondrial membrane permeability. Bcl-2 is an antiapoptotic member that prevents release of cytochrome c from the mitochondria intermembrane space into the cytosol. Bcl-2 is present on the outer

## Target Details

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mitochondrial membrane and is also found on other membranes in some cell types. BCL-2 is localized to the outer membrane of mitochondria, where it plays an important role in promoting cellular survival and inhibiting the actions of pro-apoptotic proteins. The pro-apoptotic proteins in the BCL-2 family, including Bax and Bak, normally act on the mitochondrial membrane to promote permeabilization and release of cytochrome C and ROS, that are important signals in the apoptosis cascade. These pro-apoptotic proteins are in turn activated by BH3-only proteins, and are inhibited by the function of BCL-2 and its relative BCL-XL.

Synonym: Apoptosis regulator Bcl-2, BCL2, Apoptosis Regulator Bcl-2, B-cell Lymphoma 2, PPP1R50

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Molecular Weight: 24.1 kDa

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UniProt: [P10415](#)

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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

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Restrictions: For Research Use only

## Handling

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Format: Frozen, Liquid

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Buffer: Supplied as a 0.2 µm filtered solution of 20 mM HEPES, 150 mM NaCl, 10 % Glycerol, pH 8.0.

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Storage: -20 °C

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Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.