

## Recombinant Mouse Bcl2 Protein, MYC/DDK-tagged

Cat. No. Bcl2-697M Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Purified recombinant protein of full-length mouse B cell leukemia/lymphoma 2 (Bcl2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.

**Species** Mouse

**Source** HEK293

**Description** This gene encodes a member of the B cell lymphoma 2 protein family. Members of this family regulate cell death in multiple cell types and can have either proapoptotic or antiapoptotic activities. The protein encoded by this gene inhibits mitochondrial-mediated apoptosis. This protein is an integral outer mitochondrial membrane protein that functions as part of signaling pathway that controls mitochondrial permeability in response to apoptotic stimuli. This protein may also play a role in neuron cell survival and autophagy. Abnormal expression and chromosomal translocations of this gene are associated with cancer progression in numerous tissues. Alternate splicing results in multiple transcript variants.

**Molecular Mass** 26.9 kDa

**Purity** >80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**Storage** Store at -80 centigrade after receiving vials.

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**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Bcl2 B cell leukemia/lymphoma 2 [ *Mus musculus* (house mouse) ]

**Official Symbol** Bcl2

**Synonyms** Bcl2; B cell leukemia/lymphoma 2; Bcl-2; AW986256; C430015F12Rik; D630044D05Rik; D830018M01Rik; apoptosis regulator Bcl-2

**Gene ID** 12043

**mRNA Refseq** NM\_009741

**Protein Refseq** NP\_033871

**UniProt ID** P10417

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