

Recombinant Human BCL2, GST-tagged

Cat. No. BCL2-6976H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human BCL2 was expressed in E. coli cells using an N-terminal GST tag.
Species	Human
Source	E.coli
Description	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.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~51kDa
Applications	Western Blot
Stability	1 yr at -70°C from date of shipment.
Storage	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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration 0.2 ug/ul

GENE INFORMATION

Gene Name BCL2 B-cell CLL/lymphoma 2 [Homo sapiens (human)]

Official Symbol BCL2

Synonyms Bcl-2; OTTHUMP00000163680; BCL2; B-cell CLL/lymphoma 2; B-cell lymphoma protein 2; apoptosis regulator Bcl-2; protein phosphatase 1, regulatory subunit 50

Gene ID 596

mRNA Refseq NM_000633

Protein Refseq NP_000624

MIM 151430

UniProt ID P10415

Chromosome Location 18q21.3

Pathway ATF-2 transcription factor network; Activation of BH3-only proteins; Adrenergic signaling in cardiomyocytes

Function BH3 domain binding; channel inhibitor activity; identical protein binding

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