

# Recombinant Human BCL2, GST-tagged

**Cat. No.** BCL2-10177H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human BCL2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>ProteinLength</b>    | 1-239a.a.                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | 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. |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Tag</b>              | GST                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                 |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM                                                                                                                                                                                                                                                                |

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GSH and 1% Triton X-100,15%glycerol.

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | <a href="#">BCL2 B-cell CLL/lymphoma 2 [ Homo sapiens ]</a>                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Official Symbol</b>     | BCL2                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>            | BCL2; B-cell CLL/lymphoma 2; apoptosis regulator Bcl-2; Bcl 2; PPP1R50; protein phosphatase 1; regulatory subunit 50; protein phosphatase 1, regulatory subunit 50; 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>                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>UniProt ID</b>          | <a href="#">P10415</a>                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Chromosome Location</b> | 18q21.3                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Pathway</b>             | ATF-2 transcription factor network, organism-specific biosystem; Activation of BAD and translocation to mitochondria, organism-specific biosystem; Activation of BH3-only proteins, organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; |
| <b>Function</b>            | BH3 domain binding; channel activity; identical protein binding; protease binding;                                                                                                                                                                                                                                                                                                                                           |

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protein binding; protein heterodimerization activity; protein homodimerization activity;  
protein phosphatase 2A binding; sequence-specific DNA binding; transcription factor

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