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Product Information

BCL2, GST-tagged, human recombinant, expressed in *E. coli* cells

Catalog Number **SRP5340**
Storage Temperature –70 °C

Synonym: Bcl-2

Product Description

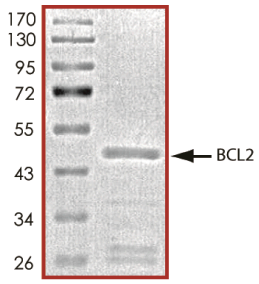
BCL2 gene encodes an integral inner mitochondrial membrane protein that acts as an antiapoptotic protein.[1] The protein BAD can antagonize both the cell cycle and antiapoptotic functions of BCL2 through binding to the BH3 domain. Constitutive expression of BCL2, such as in the case of translocation 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.

This recombinant full-length human BCL2 was expressed in *E. coli* cells using an N-terminal GST-tag. The gene accession number is NM_000633. It is supplied in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, and 25% glycerol.

Molecular mass: ~51 kDa

The enzymatic activity of this product has not been determined.

Figure 1.
SDS-PAGE Gel of Typical Lot:
≥70% (SDS-PAGE, densitometry)



Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

Storage/Stability

The product ships on dry ice and storage at –70 °C is recommended. After opening, aliquot into smaller quantities and store at –70 °C. Avoid repeated handling and multiple freeze/thaw cycles.

References

1. Hockenbery, D. et al., Bcl-2 is an inner mitochondrial membrane protein that blocks programmed cell death. Nature, **348**, 334-336 (1990).
2. Tsujimoto, Y. et al., Involvement of the bcl-2 gene in human follicular lymphoma. Science, **228**, 1440-1443 (1985).

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