

Recombinant Human (minus BH3 domain) B-Cell CLL/Lymphoma 2, His-tagged

Cat. No. BCL2-4222H Lot. No. (See product label)

SPECIFICATION

| | |
|----------------------------|---|
| Product Overview | Bcl-2 Des BH3 domain (93-107 residues) Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 203 amino acids 1-92 and 108-218. The Bcl-2 is expressed as His-Tag fusion protein and purified by proprietary chromatographic techniques. |
| Species | Human |
| Source | Human (minus BH3 domain) |
| ProteinLength | 93-107;108-218 a.a. |
| Description | BCL2 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 | The protein contains 10mM Tris-HCL pH-8, 1mM EDTA and 250mM NaCl. |
| Purity | Greater than 95.0% as determined by(a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. |
| Physical Appearance | Sterile Filtered White lyophilized (freeze-dried) powder. |

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Solubility Suspend Bcl-2 in 100?l of 0.5M Acetic acid, over night at 4°C. Dilute 10 fold into selected buffer system. BCL-2 has tendency to form intramolecular disulfide bond, 5mM DTT is recommended in assay buffer. When running SDS-PAGE gel, 10mM DTT is recommended.

Storage Lyophilized Bcl-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Bcl-2 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

GENE INFORMATION

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

Official Symbol [BCL2](#)

Synonyms Bcl-2; OTTHUMP00000163680; BCL2; B-cell CLL/lymphoma 2; B-cell lymphoma protein 2

Gene ID [596](#)

mRNA Refseq [NM_000633](#)

Protein Refseq [NP_000624](#)

MIM [151430](#)

UniProt ID [P10415](#)

Chromosome Location 18q21.33; 18q21.3

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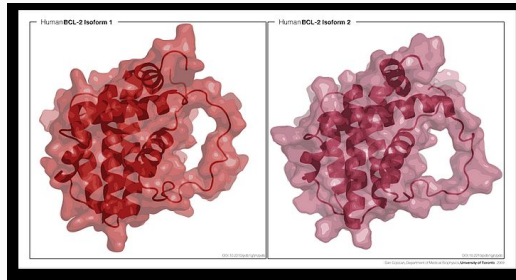
Pathway

Amyotrophic lateral sclerosis (ALS); Apoptosis; Colorectal cancer; Focal adhesion; Neurotrophin signaling pathway; Pathways in cancer; Prostate cancer; Small cell lung cancer

Function

BH3 domain binding; Protease binding; Protein Heterodimerization activity; Protein homodimerization activity; Transcription activator activity; Transcription factor binding

PDBrendering based
on 1GJH,1G5M.



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