

Recombinant Human BCL2 Protein, His-tagged

Cat. No. BCL2-1346H Lot. No. (See product label)

SPECIFICATION

Product Overview	Bcl-2 Des BH2 domain (187-202 residues) Human Recombinant produced in E. coli is a single, non-glycosylated polypeptide chain containing 202 amino acids 1-186 and 203-218. The Bcl-2 is expressed as His-Tag fusion protein and purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
ProteinLength	1-186;203-218 a.a.
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. Alternative splicing results in multiple transcript variants.
Form	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	Greater than 95.0% as determined by(a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.
Applications	Input marker or positive control (Western Blotting). Function study.

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Usage	Our products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Storage	Lyophilized Bcl-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18 centigrade. Upon reconstitution Bcl-2 should be stored at 4 centigrade between 2-7 days and for future use below -18 centigrade. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Storage Buffer	The protein contains 10mM Tris-HCL pH-8, 1mM EDTA and 250mM NaCl.
Dilutions	Suspend Bcl-2 in 100 µL of 0.5M Acetic acid, over night at 4 centigrade. 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.
Shipping	At room temperature.

GENE INFORMATION

Gene Name	BCL2 BCL2 apoptosis regulator [Homo sapiens (human)]
Official Symbol	BCL2
Synonyms	BCL2; BCL2 apoptosis regulator; Bcl-2; PPP1R50; apoptosis regulator Bcl-2; B-cell CLL/lymphoma 2; protein phosphatase 1, regulatory subunit 50
Gene ID	596

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mRNA Refseq	NM_000633
Protein Refseq	NP_000624
MIM	151430
UniProt ID	P10415

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