

## Recombinant Human Bcl-2 BH4 [1-218, BH4(10-30)]

**Cat. No.** BCL2-147H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human Bcl-2 produced in E.Coli is a single, non-glycosylated polypeptide chain. The rHuBcl-2 is expressed as GST fusion protein and purified by proprietary chromatographic techniques, after purification, the GST tag can be removed.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	Bcl-2 is the prototype for a family of mammalian genes and the proteins they produce. They govern mitochondrial outer membrane permeabilization (MOMP) and can be either pro-apoptotic (Bax, BAD, Bak and Bok among others) or anti-apoptotic (including Bcl-2 proper, Bcl-xL, and Bcl-w, among an assortment of others). There are a total of 25 genes in the Bcl-2 family known to date. Bcl-2 derives its name from B-cell lymphoma 2, as it is the second member of a range of proteins initially described as a reciprocal gene translocation in chromosomes 14 and 18 in follicular lymphomas.
<b>Physical Appearance</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Purity</b>	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.
<b>Formulation</b>	The protein contains 10mM Tris-HCL pH-8, 1mM EDTA and 250mM NaCl.
<b>Solubility</b>	It is recommended to reconstitute the lyophilized rHuBcl-2 in sterile 18MΩ-cm H2O not less than 100g/ml, which can then be further diluted to other aqueous solutions.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

<b>Endotoxin</b>	Less than 0.1 ng/g (IEU/g) of rHuBcl-2.
<b>Applications</b>	Input marker or positive control (Western Blotting). Function study (binding assay).
<b>Storage</b>	Lyophilized rHuBcl-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution rHuInsulin 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

<b>Synonyms</b>	Bcl-2; OTTHUMP00000163680; BCL2; B-cell CLL/lymphoma 2; B-cell lymphoma protein 2.
-----------------	--

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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