

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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
Description	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.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.
Formulation	The protein contains 10mM Tris-HCL pH-8, 1mM EDTA and 250mM NaCl.
Solubility	It is recommended to reconstitute the lyophilized rHuBcl-2 in sterile 18MΩ-cm H ₂ O not less than 100g/ml, which can then be further diluted to other aqueous solutions.

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Endotoxin	Less than 0.1 ng/g (IEU/g) of rHuBcl-2.
Applications	Input marker or positive control (Western Blotting). Function study (binding assay).
Storage	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	
Synonyms	Bcl-2; OTTHUMP00000163680; BCL2; B-cell CLL/lymphoma 2; B-cell lymphoma protein 2.

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