

## BCL2 Protein, Human (His)

Cat. No.:	HY-P7537
Synonyms:	rHuApoptosis Regulator Bcl-2, His; B-cell Lymphoma 2; Apoptosis Regulator Bcl-2
Species:	Human
Source:	E. coli
Accession:	P10415-1 (M1-D211)
Gene ID:	596
Molecular Weight:	Approximately 22-27 kDa

### PROPERTIES

AA Sequence	<pre> MAHAGRTGYD   NREIVMKYIH   YKLSQRGYEW   DAGDVGAAPP GAAPAPGIFS   SQPGHTPHPA   ASRDPVARTS   PLQTPAAPGA AAGPALSPVP   PVVHLTLRQA   GDDFSRRYRR   DFAEMSSQLH LTPFTARGRF   ATVVEELFRD   GVNWGRIVAF   FEFGGVMCVE SVNREMSPLV   DNIALWMTEY   LNRHLHTWIQ   DNGGWDAFVE LYGPSMRPLF   D           </pre>
Biological Activity	Measured by its binding ability in a functional ELISA. When Recombinant Human BCL2 is present at 10 µg/mL, can bind Recombinant Mouse Bcl-XL. The ED <sub>50</sub> for this effect is 0.1441 µg/mL.
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filter solution of 50 mM Tris-HCl, 10% glycerin, pH 8.0 or 50 mM Tris-HCl, 150 mM NaCl, 100mM arginine, pH 8.0 , 20% Glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

Background	Key regulators include proteins of the Bcl-2 family, some of which (e.g., Bcl-2, Bcl-xL, Mcl-1, and A1) promote cell survival while others (e.g., Bax and Bak) antagonize it. Disrupted regulation of apoptosis is implicated strongly in cancer and in autoimmune and degenerative diseases <sup>[1]</sup> .
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## REFERENCES

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[1]. Print CG, et al. Apoptosis regulator bcl-w is essential for spermatogenesis but appears otherwise redundant. Proc Natl Acad Sci U S A. 1998 Oct 13;95(21):12424-31.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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