Bcl-2-like protein 2 Protein, Human (His)

Cat. No.:	HY-P7653
Synonyms:	rHuBcl-2-like protein 2, His; Bcl-2-Like Protein 2; Apoptosis Regulator Bcl-W; BCL2L2; KIAA0271
Species:	Human
Source:	E. coli
Accession:	AAI13523.1 (A2-T172)
Gene ID:	599
Molecular Weight:	Approximately 18.0 kDa

PROPERTIES

AA Sequence	A T P A S A P D T R A L V A D F V G Y K L R Q K G Y V C G A G P G E G P A A D P L H Q A M R A A G D E F E T R F R R T F S D L A A Q L H V T P G S A Q Q R F T Q V S D E L F Q G G P N W G R L V A F F V F G A A L C A E S V N K E M E P L V G Q V Q E W M V A Y L E T R L A D W I H S S G G W A E F T A L Y G D G A L E E A R R L R E G N W A S V R T
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized BID at 5 μg/mL (100 μL/well) can bind human Bcl-2-like protein 2. The ED_{50} for this effect is 10.09 ng/mL.
Appearance	Solution
Formulation	Supplied as a 0.2 μm filter solution of 25 mM HEPES, 100 mM KCl, 20% Glycerol, pH 7.5 or 20 mM HEPES, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	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	Bcl-2-like protein 2, a crucial player in cellular dynamics, exerts its influence by promoting cell survival and effectively blocking dexamethasone-induced apoptosis. This multifunctional protein plays a pivotal role in the survival of postmitotic Sertoli cells, where it suppresses the death-promoting activity of BAX. The intricate molecular network extends to interactions with HIF3A through its C-terminus domain, emphasizing its involvement in complex signaling pathways.

Additionally, Bcl-2-like protein 2 engages in interactions with BOP, further highlighting its role in cellular homeostasis. The nuanced functions of Bcl-2-like protein 2 underscore its significance in orchestrating cell survival mechanisms and warrant further exploration to comprehensively understand its molecular contributions in diverse cellular contexts.

REFERENCES

[1]. Liu HN, et al. MiR-93 Inhibits Trophoblast Cell Proliferation and Promotes Cell Apoptosis by Targeting BCL2L2 in Recurrent Spontaneous Abortion. Reprod Sci. 2020;27(1):152-162.

[2]. Hartman ML, et al. BCL-w: apoptotic and non-apoptotic role in health and disease. Cell Death Dis. 2020;11(4):260. Published 2020 Apr 21.

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