

Bcl-2-like protein 11 Protein, Human (180a.a, N-His)

Cat. No.:	HY-P700303
Synonyms:	rHuBcl-2-like Protein 11, His; Bcl-2-like protein 11; BIML
Species:	Human
Source:	E. coli
Accession:	O43521-1 (M1-R180)
Gene ID:	10018
Molecular Weight:	approximately 25 kDa

PROPERTIES

AA Sequence	<p> M A K Q P S D V S S E C D R E G R Q L Q P A E R P P Q L R P G A P T S L Q T E P Q G N P E G N H G G E G D S C P H G S P Q G P L A P P A S P G P F A T R S P L F I F M R R S S L L S R S S S G Y F S F D T D R S P A P M S C D K S T Q T P S P P C Q A F N H Y L S A M A S M R Q A E P A D M R P E I W I A Q E L R R I G D E F N A Y Y A R R V F L N N Y Q A A E D H P R </p>
Appearance	Solution.
Formulation	Supplied as a 0.2 µm filtered solution of 50 mM Tris-HCL, 300 mM NaCL, pH 8.0, 10% 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	<p>Bcl-2-like protein 11 (BCL2L11), also known as BIM, engages in critical protein interactions that modulate its cellular functions. Phosphorylated BCL2L11 interacts with USP27X, leading to BCL2L11 deubiquitination and subsequent stabilization. This interaction suggests a regulatory mechanism for BCL2L11 levels, influencing its role in apoptotic pathways. Additionally, BCL2L11 interacts with humanin, and this interaction serves a protective function by preventing BIM-induced apoptosis. The intricate interplay between BCL2L11, USP27X, and humanin highlights the complexity of apoptotic regulation and underscores the importance of post-translational modifications in modulating the stability and activity of BCL2L11. Further research is necessary to fully elucidate the molecular mechanisms and physiological implications of these interactions in cellular processes and potential implications for therapeutic interventions.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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