

## BCL2A1 Protein, Human (His)

<b>Cat. No.:</b>	HY-P75590
<b>Synonyms:</b>	Bcl-2-related protein A1; Protein BFL-1; BCL2L5; BFL1; GRS; HBPA1
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Accession:</b>	Q16548 (M1-S152)
<b>Gene ID:</b>	597
<b>Molecular Weight:</b>	Approximately 16-17 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>           M T D C E F G Y I Y      R L A Q D Y L Q C V      L Q I P Q P G S G P      S K T S R V L Q N V            A F S V Q K E V E K      N L K S C L D N V N      V V S V D T A R T L      F N Q V M E K E F E            D G I I N W G R I V      T I F A F E G I L I      K K L L R Q Q I A P      D V D T Y K E I S Y            F V A E F I M N N T      G E W I R Q N G G W      E N G F V K K F E P      K S         </p>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of PBS pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>The BCL2A1 protein plays a crucial role in retarding apoptosis induced by IL-3 deprivation, suggesting its involvement in the response of hemopoietic cells to external signals and its potential role in maintaining endothelial survival during infection. Additionally, BCL2A1 exhibits the ability to inhibit apoptosis induced by serum starvation in the mammary epithelial cell line HC11. The protein interacts directly with various key players in the apoptotic pathway, including BAK1, BID, BMF, BBC3, BCL2L11/BIM, BAX isoform Sigma, PMAIP1, RTL10/BOP, ING4, and UBQLN4. This extensive interaction network underscores the multifaceted role of BCL2A1 in modulating apoptotic processes.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA