

Bax Protein, Human (His)

Cat. No.:	HY-P7651
Synonyms:	rHuBCL2L4, His; Apoptosis Regulator BAX; Bcl-2-Like Protein 4; BCL2L4; BAX
Species:	Human
Source:	E. coli
Accession:	Q07812 (M1-Q171)
Gene ID:	581
Molecular Weight:	Approximately 22.0 kDa

PROPERTIES

AA Sequence	<pre> HHHHHHMDGS GEQPRGGGPT SSEQIMKTGA LLLQGFIQDR AGRMGGEAPE LALDPVPQDA STKKLSECLK RIGDELDSTM ELQRMIAAVD TDSPREVFRR VAADMFS DGN FNWGRVVALF YFASKLVLKA LCTKVP ELIR TIMGWTLDFL RERLLGWIQD QGGWDGLLSY FGTPTWQH HH HHH </pre>
Biological Activity	Data is not available.
Appearance	Solution
Formulation	Supplied as a 0.2 µm filter solution of 20 mM PB, 150 mM NaCl, 2 mM EDTA, 5% Threhalose, 30% Glycerol, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C. 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	BCL2L4 (BAX) is “multidomain” proapoptotic protein that initiate mitochondrial dysfunction but also localize to the endoplasmic reticulum (ER) ^[2] .
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REFERENCES

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- [1]. Chaoying Yin, et al. Bax suppresses tumorigenesis and stimulates apoptosis in vivo. Nature. 1997 Feb 13;385(6617):637-40.
- [2]. Luca Scorrano, et al. BAX and BAK regulation of endoplasmic reticulum Ca²⁺: a control point for apoptosis. Science. 2003 Apr 4;300(5616):135-9.
- [3]. Wei-Xing Zong, et al. Bax and Bak can localize to the endoplasmic reticulum to initiate apoptosis. J Cell Biol. 2003 Jul 7;162(1):59-69.
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Caution: Product has not been fully validated for medical applications. For research use only.

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