

Recombinant Human BCL2-like 1, His-tagged

Cat. No. BCL2L1-1851H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BCL-X cloned from human cDNA was expressed in <i>E. coli</i> . MW=28kDa.
Species	Human
Source	<i>E. coli</i>
Description	Bcl-2-like protein 1 is a protein that in humans is encoded by the BCL2L1 gene. The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The proteins encoded by this gene are located at the outer mitochondrial membrane, and have been shown to regulate outer mitochondrial membrane channel (VDAC) opening. VDAC regulates mitochondrial membrane potential, and thus controls the production of reactive oxygen species and release of cytochrome C by mitochondria, both of which are the potent inducers of cell apoptosis. Two alternatively spliced transcript variants, which encode distinct isoforms, have been reported. The longer isoform acts as an apoptotic inhibitor and the shorter form acts as an apoptotic activator.
Purity	>90%.
Application	Useful for the study of apoptosis, screening inhibitors, and selectivity profiling.
Formulated In	25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 30% glycerol, and 3 mM DTT.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability >6 months at –80°C.

GENE INFORMATION

Gene Name [BCL2L1 BCL2-like 1 \[Homo sapiens \]](#)

Synonyms BCL2L1; BCL2-like 1; BCLX; BCL2L; Bcl-X; bcl-xL; bcl-xS; BCL-XL/S; DKFZp781P2092; OTTHUMP00000030550; Bcl-2-like protein 1; Bcl2-L-1; Apoptosis regulator Bcl-X; OTTHUMP00000030551; OTTHUMP00000030553; bcl-xL; bcl-xS; Apoptosis regulator Bcl-X

Gene ID [598](#)

mRNA Refseq [NM_001191](#)

Protein Refseq [NP_001182](#)

MIM [600039](#)

UniProt ID [Q07817](#)

Chromosome Location 20q11.21

Pathway Amyotrophic lateral sclerosis (ALS); Apoptosis; Chronic myeloid leukemia; Jak-STAT signaling pathway; Pancreatic cancer; Pathways in cancer; Small cell lung cancer; Apoptosis

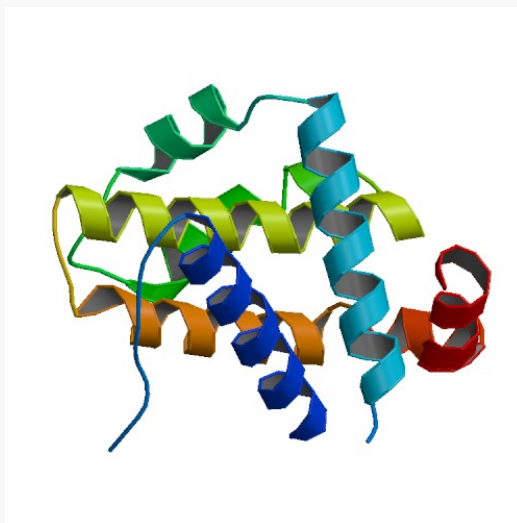
Function caspase inhibitor activity; identical protein binding; protein heterodimerization activity

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on 1af3.



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