

Recombinant Human BCL2L1 protein

Cat. No. BCL2L1-348H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BCL2L1 protein was expressed in Escherichia coli.
Species	Human
Source	E.coli
ProteinLength	211
Description	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. Alternative splicing results in multiple transcript variants encoding two different isoforms. The longer isoform acts as an apoptotic inhibitor and the shorter isoform acts as an apoptotic activator.
Form	Lyophilized from a 0.2µm filtered concentrated solution in 20 mM Tris-HCl, pH 8.0, 5 % Trehalose.
Molecular Mass	Approximately 23.7 kDa, a single non-glycosylated polypeptide chain containing 211 amino acids.

 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

AA Sequence	SQSNRELVDFLSYKLSQKGYWSQFSDVEENRTEAPEGTESEMETPSAINGNPS WHLADSPAVNGATGHSSSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQL HITPGTAYQSFEQVVNELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAA WMATYLNHLEPWIQENGWDTFVELYGNNAAAESRKGQERFNR
Endotoxin	Less than 0.1 EU/g of rHuBcl-xL as determined by LAL method.
Purity	>97% by SDS-PAGE and HPLC analysis.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20 centigrade. Further dilutions should be made in appropriate buffered solutions.

GENE INFORMATION

Gene Name	BCL2L1
Official Symbol	BCL2L1
Synonyms	BCL2L1; BCL2-like 1; bcl-2-like protein 1; Bcl X; bcl xL; bcl xS; BCL2L; BCLX; PPP1R52; protein phosphatase 1; regulatory subunit 52; apoptosis regulator Bcl-X; protein phosphatase 1, regulatory subunit 52; BCLXL; BCLXS; Bcl-X; bcl-xL; bcl-xS; BCL-XL/S; DKFZp781P2092;

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Gene ID	598
mRNA Refseq	NM_001191
Protein Refseq	NP_001182
MIM	600039
UniProt ID	Q07817

**SDS-PAGE of
BCL2L1-348H**

