

## Recombinant Human BCL2L1, GST-tagged

**Cat. No.** BCL2L1-1349H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Bcl-XL Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing amino acids 1-210. The Bcl-XL is expressed as GST-Tag fusion protein and purified by proprietary chromatographic techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-210 a.a.
<b>Description</b>	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.
<b>Form</b>	Sterile Filtered White lyophilized (freeze-dried) powder. The protein contains 10mM Tris-HCL pH-8, 1mM EDTA and 250mM NaCl.
<b>Purity</b>	Greater than 95.0% as determined by SDS-PAGE.

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**Storage** Lyophilized Bcl-XL although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Bcl-XL should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Reconstitution** Suspend BclXL in 100ul of 0.5M Acetic acid, over night at 4°C. Dilute 10 fold into selected buffer system. Bcl-XL has tendency to form intramolecular disulfide bond, 5mM DTT is recommended in assay buffer. When running SDS-PAGE gel, 10mM DTT is recommended.

## GENE INFORMATION

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

**Official Symbol** BCL2L1

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

**Gene ID** [598](#)

**mRNA Refseq** [NM\\_001191](#)

**Protein Refseq** [NP\\_001182](#)

**MIM** [600039](#)

**UniProt ID** Q07817

**Chromosome** 20q11.21

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**Location****Pathway**

Amyotrophic lateral sclerosis (ALS); BH3-only proteins associate with and inactivate anti-apoptotic BCL-2 members; Chronic myeloid leukemia

**Function**

BH3 domain binding; identical protein binding; protein binding

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