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## Product Data Sheet

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Product Name: Bcl XL Mouse

Cat. No.: GP22867

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	BclXL; Bcl-X(L); Bcl-XL.		
Amino Acid Sequence	<p>SQSNRELVVD FLSYKLSQKG YSWSQFSDVE ENRTEAPEET EAERETPSAI          NGNPSWHLAD SPAVNGATGH SSSLDAREVI PMAAVKQALR EAGDEFELRY          RRAFSDLTSQ LHITPGTAYQ SFEQVVNELF RDGVNWGRIV AFFSFGGALC          VESVDKEMQV LVSRIASWMA TYLNDHLEPW IQENGGWDTF VDLYGNNAAA          ESRKGQERFN R.</p>		
Solubility	It is recommended to reconstitute the lyophilized Bcl-XL in sterile 18M-cm H <sub>2</sub> O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.		
Formulation	Bcl-XL Mouse was lyophilized from a 0.2µm filtered concentrated solution in 16 <sup>+</sup> PBS, pH 7.4 and 5% Trehalose.		

**Introduction**

Bcl-XL is a transmembrane protein located in the mitochondrial membranes of cells that are long-lived and postmitotic, such as adult brain cells. It plays a role in the signal transduction pathway of the FAS-Ligand. Bcl-XL is an anti-apoptotic protein which is a member of the Bcl-2 family which are able to form heterodimers, and this is a significant event in the regulation of apoptosis. BCL-XL is involved in the survival of cancer cells. Bcl-xL is the leading monitor of apoptosis/active cell suicide. Bcl-xL has cell death repressor activity and therefore acts as a survival protein.

**Stability**

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

**Caution: Product has not been fully validated for medical applications. For research use only.**

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carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

### Background

Bcl-XL Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 211 amino acids, having an MW of 23.7kDa. The Bcl-XL is purified by proprietary chromatographic techniques.

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