



Product Datasheet

| | |
|---------------------|--|
| Product Name | B-Cell Lymphoma Extra Large Human Recombinant, His Tag |
| Cata No | CB501498 |
| Source | <i>Escherichia Coli.</i> |
| Synonyms | BclXL, Bcl-X(L), Bcl-XL. |

Description

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.

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 His-Tag fusion protein and purified by proprietary chromatographic techniques.

Physical Appearance

Sterile Filtered White lyophilized (freeze-dried) powder.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Formulation

The protein contains 10mM Tris-HCL pH-8, 1mM EDTA and 250mM NaCl.

Reconstitution

Suspend BclXL in 100µl of 0.5M Acetic acid, overnight 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.

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 carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

*** For Non-Clinical Research Use Only ***