



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Recombinant Human B-Cell Leukemia/Lymphoma 2 His Tag

Catalog No.

228-10107

Source:

Escherichia Coli

Synonyms

BclXL, Bcl-X(L), Bcl-XL.

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.

Description

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.

Formulation

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

Solubility

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.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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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.

Purity

Greater than 95.0% as determined by SDS-PAGE.

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