
Product Data Sheet

Product Name: Bcl 2 Human (1-206 a.a.)

Cat. No.: GP22849

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped at Room temp.
Synonyms	Apoptosis regulator Bcl-2; BCL2; B-cell CLL/lymphoma 2; Bcl-2.		
Solubility	Suspend Bcl-2 in 100ul of 0.5M Acetic acid, over night at 4°C . Dilute 10 fold into selected buffer system. BCL-2 has tendency to form intramolecular disulfide bond, 5mM DTT is recommended in assay buffer. When running SDS-PAGE gel, 10mM DTT is recommended.		
Formulation	The protein contains 10mM Tris-HCl pH-8, 1mM EDTA and 250mM NaCl.		

Introduction

BCL2 gene encodes an integral outer mitochondrial membrane protein that blocks the apoptotic death of some cells such as lymphocytes. Constitutive expression of BCL2, such as in the case of translocation of BCL2 to Ig heavy chain locus, is thought to be the cause of follicular lymphoma. Two transcript variants, produced by alternate splicing, differ in their C-terminal ends.

Stability

Lyophilized Bcl-2 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution Bcl-2 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.

Background

Bcl-2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing amino acids 1-206. The wild type Bcl-2 is missing 12 amino acids from C-terminus. C-terminus is fused to His-Tag. C-terminus his-tag, mimics the deleted C-terminus membrane domain thus maintaining its biological activity. Bcl-2 is purified by proprietary chromatographic techniques.

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

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