abcam

Product datasheet

Recombinant Human Bcl-XL protein (His tag) ab180062

1 Image

Description

Product name	Recombinant Human Bcl-XL protein (His tag)
Purity	> 95 % SDS-PAGE. Purified by Immobilized metal affinity chromatography.
Endotoxin level	< 1.000 Eu/µg
Expression system	Escherichia coli
Accession	Q07817-1
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MSQSNRELVVDFLSYKLSQKGYSWSQFSDVEENRTEAP EGTESEMETPSA INGNPSWHLADSPAVNGATGHSSSLDAREVIPMAAVKQA LREAGDEFELR YRRAFSDLTSQLHITPGTAYQSFEQVVNELFRDGVNWGRI VAFFSFGGAL CVESVDKEMQVLVSRIAAWMATYLNDHLEPWIQENGGW DTFVELYGNNAA AESRKGQERFNR
Predicted molecular weight	25 kDa including tags
Amino acids	1 to 212
Tags	His tag C-Terminus
Additional sequence information	(AAH19307)

Specifications

Our **Abpromise guarantee** covers the use of **ab180062** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Lyophilized

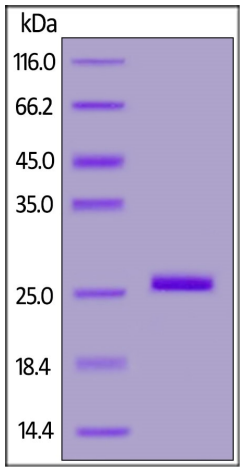
Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA). pH: 7.4 Constituents: 5% Trehalose, 0.48% HEPES, 0.37% Potassium chloride Lyophilized from 0.22 µm filtered solution.
Reconstitution	Reconstitute with sterile deionized water to a concentration of 200 µg/ml.

General Info

Function	Potent inhibitor of cell death. Inhibits activation of caspases (By similarity). Appears to regulate cell death by blocking the voltage-dependent anion channnel (VDAC) by binding to it and preventing the release of the caspase activator, CYC1, from the mitochondrial membrane. Isoform Bcl-X(S) promotes apoptosis.
Tissue specificity	Bcl-X(S) is expressed at high levels in cells that undergo a high rate of turnover, such as developing lymphocytes. In contrast, Bcl-X(L) is found in tissues containing long-lived postmitotic cells, such as adult brain.
Sequence similarities	Belongs to the Bcl-2 family.
Domain	The BH4 motif is required for anti-apoptotic activity. The BH1 and BH2 motifs are required for both heterodimerization with other Bcl-2 family members and for repression of cell death.
Post-translational modifications	Proteolytically cleaved by caspases during apoptosis. The cleaved protein, lacking the BH4 motif, has pro-apoptotic activity.
Cellular localization	Mitochondrion membrane. Nucleus membrane. Mitochondrial membranes and perinuclear envelope.

Images



SDS-PAGE - Recombinant human Bcl-XL protein (ab180062)

SDS-PAGE of reduced ab180062 stained under reducing (R) condition overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit **https://www.abcam.com/abpromise** or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors