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Datasheet for ABIN7533855

Bcl-2 Protein

Overview

Quantity:	50 µg
Target:	Bcl-2 (BCL2)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Active Recombinant Human Bcl-2 Protein
Sequence:	AHAGRTGYDN REIVMKYIHY KLSQRGYEW AGDVGAAPP AAPAGIFSS QPGHTPHPAA SRDPVARTSP LQTPAAPGAA AGPALSPVPP VVHLTLRQAG DDFSRRYRRD FAEMSSQLHL TPFTARGRFA TVVEELFRDG VNWGRIVAFF EFGGVMCVES VNREMSPLVD NIALWMTEYL NRHLHTWIQD NGGWDAFVEL YGPSMRPLFD
Specificity:	Ala2-Asp211
Purity:	> 95 % by SDS-PAGE.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized Human BCL-XL Protein at 2 µg/mL (100 µL/well) can bind BCL2 with a linear range of 3.9-421 ng/mL.

Target Details

Target:	Bcl-2 (BCL2)
Alternative Name:	Bcl-2 (BCL2 Products)

Target Details

Background:	Description: This protein is 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. Name: BCL2, Bcl-2, PPP1R50, apoptosis regulator Bcl-2,Bcl-2,PPP1R50
Gene ID:	596
UniProt:	P10415
Pathways:	MAPK Signaling , PI3K-Akt Signaling , Apoptosis , Caspase Cascade in Apoptosis , Regulation of Muscle Cell Differentiation , Cell-Cell Junction Organization , Skeletal Muscle Fiber Development , Autophagy , Smooth Muscle Cell Migration , Negative Regulation of intrinsic apoptotic Signaling

Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	0.3 mg/mL
Buffer:	Supplied in 20 mM Tris,200 mM NaCl,30 % Glycerol,1 mM DTT, pH 8.0
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-80 °C
Storage Comment:	This product is stable at $\leq -70^{\circ}$ C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.