

Product information



Bcl-2, 1-211 aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0297

Full name: B-cell lymphoma protein 2 alpha

NCBI Accession No.: NP_000624

Description: Bcl-2, also known as B-cell lymphoma protein 2 alpha, is an anti-apoptotic protein located primarily in the outer mitochondrial membrane that blocks the apoptotic death of some cells such as lymphocytes. BCL-2 is thought to regulate cell death by controlling the mitochondrial membrane permeability during apoptosis. Bcl-2 exerts its anti-apoptotic function through inhibiting caspase activity either by preventing the release of cytochrome c from the mitochondria and/or by binding to the apoptosis-activating factor (APAF-1). The Bcl-2 gene has been related with a number of cancers, including melanoma, breast, prostate, and lung carcinomas, as well as schizophrenia and autoimmunity. Recombinant Bcl-2 protein was expressed in *E.coli* and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

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| <p>Form: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol 2 mM DTT</p> <p>Molecular Weight: 25.4 kDa (231 aa)</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 0.5 mg/ml (determined by Bradford assay)</p> | <p>(kDa) 57 40 28 18 13.5</p> <p>15% SDS-PAGE (3ug)</p> |
| <p>Sequences of amino acids:</p> <p><u>MGSSHHHHHH</u> <u>SSGLVPRGSH</u> MAHAGRTGYD NREIVMKYIH YKLSQRGYEW DAGDVGAAPP GAAPAPGIFS SQPGHTPHPA ASRDPVARTS PLQTPAAPGA AAGPALSPVP PVVHLTLRQA GDDFSRRYRR DFAEMSSQLH LTPFTARGRF ATVVEELFRD GVNWGRIVAF FEEGGVMCVE SVNREMSPLV DNIALWMTEY LNRHLHTWIQ DNGGWDAFVE LYGPSMRPLF D</p> | |

General references:

Zamzami N., *et al.* (1998) *Oncogene*. 16(17):2265-82.

Fernandez-Sarabia MJ., *et al.* (1993) *Nature*. 366(6452):274-5.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

Product information



Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

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