

Product information

Bcl-2, 1-211 aa

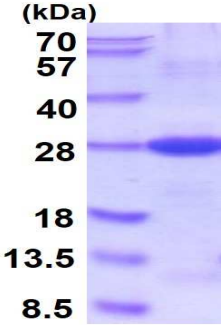
Human, His-tagged, Recombinant, *E.coli*

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.

<p>Form: Liquid. In 20 mM Tris-HCl buffer (pH8.0) containing 20% glycerol 2mM DTT</p> <p>Molecular Weight: 25.4 kDa (231 aa), confirmed by MALDI-TOF</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 0.25 mg/ml (determined by Bradford assay)</p>	 <p>(kDa)</p> <p>70</p> <p>57</p> <p>40</p> <p>28</p> <p>18</p> <p>13.5</p> <p>8.5</p> <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p>MGSSHHHHHH SSSLVPRGSH MAHAGRTGYD NREIVMKYIH YKLSQRGYEW DAGDVGAAPP GAAPAGIFS SQPGHTPHPA ASRDPVARTS PLQTPAAPGA AAGPALSPVP PVVHLTLRQA GDDFSRRYRR DFAEMSSQLH LTPFTARGRF ATVVEELFRD GVNWGRIVAF FEEGGVMCSE 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.

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.