

Bcl-2 recombinant protein

Bcl-2, 1-211aa, Human, His tag, E Coli

CATALOG # AAA48514	HOST E Coli	APPLICATIONS SDS-Page
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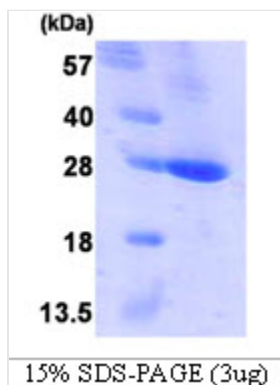
PRODUCT SYNONYMS

Bcl-2; 1-211aa; Human; His tag; E Coli; B-cell lymphoma protein 2 alpha; B-cell lymphoma protein 2 alpha Apoptosis regulator Bcl 2; Apoptosis regulator Bcl2; AW986256; B cell CLL/lymphoma 2; B cell leukemia/lymphoma 2; Bcl2; C430015F12Rik; D630044D05Rik; D830018M01Rik; Leukemia/lymphoma; B-cell; 2; Oncogene B-cell leukemia 2.; Bcl-2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol 2 mM DTT
Concentration	0.25 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MAHAGRTGYD NREIVMKYIH YKLSQRGYEW DAGDVGAAPP GAAPAPGIFS SQPGHTHPA ASRDPVARTS PLQTPAAPGA AAGPALSPVP PVVHLTLRQA GDDFSRRYRR DFAEMSSQLH LTPFTARGRF ATVVEELFRD GVNWGRIVAF FEFGGVMCVE SVNREMSPLV DNIALWMTEY LNRHLHTWIQ DNGGWDAFVE LYGPSMRPLF D
Sequence Length	239
Applicable Applications for Bcl-2 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Bcl-2 recombinant protein	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.
Product Categories/Family for Bcl-2 recombinant protein	Cancer
References	Zamzami N., et al. (1998) Oncogene. 16 (17):2265-82.; Fernandez-Sarabia MJ., et al. (1993) Nature. 366 (6452):274-5.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	72198189
NCBI GeneID	596
NCBI Accession #	NP_000624
NCBI GenBank Nucleotide #	NM_000633.2
UniProt Accession #	P10415; P10416; Q13842; Q16197; C9JHD5
Molecular Weight	25.4 kDa (231 aa), confirmed by MALDI-TOF.
NCBI Official Full Name	apoptosis regulator Bcl-2 alpha isoform
NCBI Official Synonym Full Names	BCL2, apoptosis regulator
NCBI Official Symbol	BCL2
NCBI Official Synonym Symbols	Bcl-2; PPP1R50
NCBI Protein Information	apoptosis regulator Bcl-2
UniProt Protein Name	Apoptosis regulator Bcl-2
UniProt Gene Name	BCL2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.