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## Recombinant human Bcl-w protein

Catalog Number: ATGP0454

### **PRODUCT INFORMATION**

#### **Expression system**

E.coli

#### **Domain**

1-172aa

#### **UniProt No.**

092843

#### **NCBI Accession No.**

NP 004041

#### **Alternative Names**

BCL2-like protein 2, Apoptosis regulator Bcl-W, BCLW, BCL2-like protein 2 Apoptosis regulator BCL W, BCL 2 Like 2, Bcl 2 like 2 protein, Bcl 2L2, bcl w, Bcl2 L2, BCL2 like 2, BCL2 like 2 protein, KIAA0271.

#### PRODUCT SPECIFICATION

## **Molecular Weight**

20.9 kDa (192aa) confirmed by MALDI-TOF

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 100mM NaCl, 10% glycerol

#### **Purity**

> 95% by SDS-PAGE

#### Tag

His-Tag

## **Application**

SDS-PAGE

#### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

## **Description**

BCL2-like protein 2, also known as BCL2L2, is a member of the Bcl-2 family of proteins that regulates outer mitochondrial membrane permeability. BCL2L2 is an anti apoptotic member that prevents release of cytochrome c from the mitochondria intermembrane space into the cytosol. Expression of this gene in cells has been shown to contribute to reduced cell apoptosis under cytotoxic conditions. It is required for normal sperm maturation. Recombinant human BCL2L2, fused to His-tag at N-terminus, was expressed in E. coli and purified by using



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conventional chromatography techniques.

## **Amino acid Sequence**

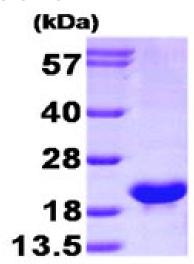
MGSSHHHHHH SSGLVPRGSH MATPASAPDT RALVADFVGY KLRQKGYVCG AGPGEGPAAD PLHQAMRAAG DEFETRFRRT FSDLAAQLHV TPGSAQQRFT QVSDELFQGG PNWGRLVAFF VFGAALCAES VNKEMEPLVG QVQEWMVAYL ETRLADWIHS SGGWAEFTAL YGDGALEEAR RLREGNWASV RT

#### **General References**

Zhu X., et al. (2004) J Neurochem. 89(5):1233-40. Kromer G., et al. (1997) Nature Med. 3:614.

#### **DATA**





15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.