

Recombinant Human BCL2L2, His-tagged

Cat. No. BCL2L2-26736TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human Bcl2L2 (amino acids 1-172) with N terminal His tag; 192 aa, 20.9kDa.
Species	Human
Source	E.coli
ProteinLength	172 amino acids
Description	This gene encodes a member of the BCL-2 protein family. The proteins of this family form hetero- or homodimers and act as anti- and pro-apoptotic regulators. Expression of this gene in cells has been shown to contribute to reduced cell apoptosis under cytotoxic conditions. Studies of the related gene in mice indicated a role in the survival of NGF- and BDNF-dependent neurons. Mutation and knockout studies of the mouse gene demonstrated an essential role in adult spermatogenesis. Alternative splicing results in multiple transcript variants. Read-through transcription also exists between this gene and the neighboring downstream PABPN1 (poly(A) binding protein, nuclear 1) gene.
Conjugation	HIS
Molecular Weight	20.900kDa inclusive of tags
Tissue specificity	Expressed (at protein level) in a wide range of tissues with highest levels in brain, spinal cord, testis, pancreas, heart, spleen and mammary glands. Moderate levels

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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	found in thymus, ovary and small intestine. Not detected in salivary gland, muscle or li
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	pH: 8.00Constituents:0.32% Tris HCl, 0.58% Sodium chloride, 10% Glycerol
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MATPASAPDT RALVADFGY KLRQKGYVCG AGPGEGPAAD PLHQAMRAAG DEFETRFRRT FSDLAAQLHV TPGSAQQRFT QVSDELFQGG PNWGRLVAFF VFGAALCAES VNKEMEPLVG QVQEWMVAYL ETRLADWIHS SGGWAEFTAL YGDGALEEAR RLREGNWASV RT
Sequence Similarities	Belongs to the Bcl-2 family.

GENE INFORMATION

Gene Name	BCL2L2 BCL2-like 2 [Homo sapiens]
Official Symbol	BCL2L2
Synonyms	BCL2L2; BCL2-like 2; bcl-2-like protein 2; BCL W; KIAA0271; PPP1R51; protein phosphatase 1; regulatory subunit 51;
Gene ID	599
mRNA Refseq	NM_001199839

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Protein Refseq	NP_001186768
MIM	601931
Uniprot ID	Q92843
Chromosome Location	14q11.2-q12
Pathway	Apoptosis, organism-specific biosystem; Direct p53 effectors, organism-specific biosystem;
Function	protein binding;

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