

Recombinant Human BCL2A1 Protein

Cat. No. BCL2A1-862H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BCL2A1(Met1-Ser152), transcript variant 2, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-152 a.a.
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 that are involved in a wide variety of cellular activities such as embryonic development, homeostasis and tumorigenesis. The protein encoded by this gene is able to reduce the release of pro-apoptotic cytochrome c from mitochondria and block caspase activation. This gene is a direct transcription target of NF-kappa B in response to inflammatory mediators, and is up-regulated by different extracellular signals, such as granulocyte-macrophage colony-stimulating factor (GM-CSF), CD40, phorbol ester and inflammatory cytokine TNF and IL-1, which suggests a cytoprotective function that is essential for lymphocyte activation as well as cell survival. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Form	20mM Phosphate buffer, 150mM NaCl, 1mM EDTA, 1mM DTT, 10% Glycerol, pH 7.4. Avoid repeated freeze-thaw cycles. Stable for at least 3 months from receipt of products under proper storage and handling conditions.

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Molecular Mass	18.5 kDa
Endotoxin	< 0.1 EU per µg protein as determined by LAL test
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 µg/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name	BCL2A1 BCL2-related protein A1 [Homo sapiens]
Official Symbol	BCL2A1
Synonyms	BCL2A1; BCL2-related protein A1; HBPA1; bcl-2-related protein A1; ACC 1; ACC 2; BCL2L5; BFL1; GRS; bcl2-L-5; protein BFL-1; bcl-2-like protein 5; hematopoietic BCL2-related protein A1; hemopoietic-specific early response protein; ACC-1; ACC-2;
Gene ID	597
mRNA Refseq	NM_001114735
Protein Refseq	NP_001108207
MIM	601056
UniProt ID	Q16548

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