

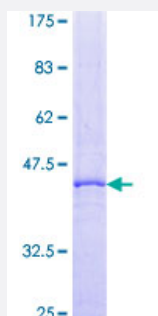
Full-Length

BCL2A1 (Human) Recombinant Protein (P02)

Catalog # H00000597-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human BCL2A1 full-length ORF (NP_004040.1, 1 a.a. - 175 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MTDCEFGYYRLAQDYLCVLPQPGSGPSKTSRVLQNVAFSVQKEVEKNLKSCLDNVNVVSV DTARTLFNQVMEKEFEDGIINWGRVTIFAFEGLIKLLRQQIAPDVDTYKEISYFVAEFIMNNTGEWI RQNGGWENG FVKKFEPKSGWMTFLEVTGKICEMLSLLKQYC
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	46.5
Interspecies Antigen Sequence	Mouse (73); Rat (76)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — BCL2A1

Entrez GeneID [597](#)

GeneBank Accession# [NM_004049.2](#)

Protein Accession# [NP_004040.1](#)

Gene Name BCL2A1

Gene Alias ACC-1, ACC-2, BCL2L5, BFL1, GRS, HBPA1

Gene Description BCL2-related protein A1

Omim ID [601056](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations hematopoietic BCL2-related protein A1

Pathway

- [Metabolic pathways](#)

Disease

- [Cardiovascular Diseases](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Graft vs Host Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Kidney Failure](#)
- [Lymphoma](#)
- [Lymphoproliferative Disorders](#)
- [Occupational Diseases](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)