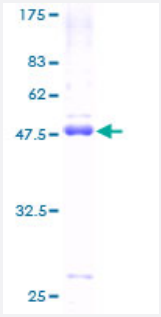
Full-Length

BCL2L1 (Human) Recombinant Protein (P01)

Catalog # H00000598-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human BCL2L1 full-length ORF (AAH19307, 1 a.a. - 233 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSQSNRELVVDFLSYKLSQKGYSWSQFSDVEENRTEAPEGTESEMETPSAINGNPSWHLADSP AVNGATGHSSSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTSQLHITPGTAYQSFEQVVN ELFRDGVNWGRIVAFFSFGGALCVESVDKEMQVLVSRIAAWMATYLNDHLEPWIQENGGWDTFV ELYGNNAAAESRKGQERFNRWFLTGMTVAGVVLLGSLFSRK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	51.37
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 — BCL2L1

Entrez GeneID	598
GeneBank Accession#	BC019307
Protein Accession#	AAH19307
Gene Name	BCL2L1
Gene Alias	BCL-XL/S, BCL2L, BCLX, Bcl-X, DKFZp781P2092, bcl-xL, bcl-xS
Gene Description	BCL2-like 1
Omim ID	600039
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members for m hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide v ariety of cellular activities. The proteins encoded by this gene are located at the outer mitochondri al membrane, and have been shown to regulate outer mitochondrial membrane channel (VDAC) opening. VDAC regulates mitochondrial membrane potential, and thus controls the production of r eactive oxygen species and release of cytochrome C by mitochondria, both of which are the pote nt inducers of cell apoptosis. Two alternatively spliced transcript variants, which encode distinct is oforms, have been reported. The longer isoform acts as an apoptotic inhibitor and the shorter for m acts as an apoptotic activator. [provided by RefSeq
Other Designations	OTTHUMP00000030550|OTTHUMP00000030551|OTTHUMP00000030553

Pathway

- Amyotrophic lateral sclerosis (ALS)

- Apoptosis
- Chronic myeloid leukemia
- Jak-STAT signaling pathway
- Pancreatic cancer
- Pathways in cancer
- Small cell lung cancer

Disease

- Adenocarcinoma
- Alzheimer Disease
- Amnesia
- Cognition Disorders
- Colorectal Neoplasms
- Disease Progression
- Esophageal Neoplasms
- Genetic Predisposition to Disease
- Hematologic Diseases
- Hodgkin Disease
- Lymphoma
- Lymphoproliferative Disorders
- Multiple Sclerosis
- Neoplasm Metastasis
- Neuropsychological Tests
- Occupational Diseases
- Ovarian Neoplasms
- Prostatic Neoplasms

- Urinary Bladder Neoplasms
- Waldenstrom Macroglobulinemia
- Werner syndrome