

Active Recombinant Full Length Human BCL2L1 Protein, C-Flag-tagged

Cat. No. BCL2L1-287HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human BCL2L1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	<p>The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The proteins encoded by this gene are located at the outer mitochondrial membrane, and have been shown to regulate outer mitochondrial membrane channel (VDAC) opening. VDAC regulates mitochondrial membrane potential, and thus controls the production of reactive oxygen species and release of cytochrome C by mitochondria, both of which are the potent inducers of cell apoptosis. Alternative splicing results in multiple transcript variants encoding two different isoforms. The longer isoform acts as an apoptotic inhibitor and the shorter isoform acts as an apoptotic activator.</p>
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	In vitro ubiquitination assay substrate
Molecular Mass	25.9 kDa

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

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

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AA Sequence	MSQSNRELVDFLSYKLSQKGYWSQFSDVEENRTEAPEGTESEMETPSAINGNP SWHLADSPAVNGATG HSSSLDAREVIPMAAVKQALREAGDEFELRYRRAFSDLTS QLHITPGTAYQSFEQVVNELFRDGVNWGRI VAFFSFGGALCVESVDKEMQVLVSRI AAWMATYLNHDHLEPWIQENGWDTFVELYGNNAAAESRKGQERF NRWFLTGMTVAGVVLLGSLFSRKTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, ES Cell Differentiation/IPS, Transmembrane
Protein Pathways	Amyotrophic lateral sclerosis (ALS), Apoptosis, Chronic myeloid leukemia, Jak-STAT signaling pathway, Pancreatic cancer, Pathways in cancer, Small cell lung cancer
Full Length	Full L.

GENE INFORMATION

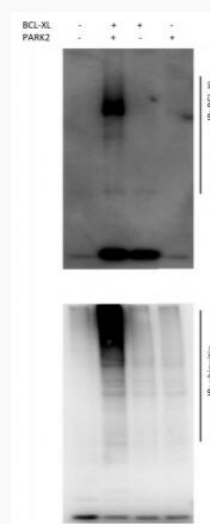
Gene Name	BCL2L1 BCL2 like 1 [Homo sapiens (human)]
Official Symbol	BCL2L1

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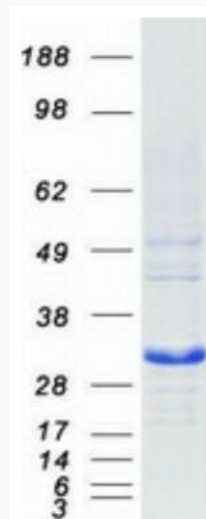
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Synonyms	BCLX; BCL2L; Bcl-X; PPP1R52; BCL-XL/S
Gene ID	598
mRNA Refseq	NM_138578.3
Protein Refseq	NP_612815.1
MIM	600039
UniProt ID	Q07817



PARK2 E3 ubiquitin ligase ubiquitinates BCL-XL in vitro. Recombinant proteins BCL-XL and PARK2 were incubated in HEPES buffer, pH 8.0 containing E1, E2, ubiquitin, and Mg²⁺-ATP. Reactions were cultured for 10 min at 30 centigrade, then 30-60 min at 37 centigrade, and reaction samples were subjected to Western blot analysis.



Coomassie blue staining of purified BCL2L1 protein.

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