

Recombinant Human BCL2L11 protein, His-tagged

Cat. No. BCL2L11-1525H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human BCL2L11(1-198 aa) fused with His tag at N-terminal was expressed in Yeast.
Species	Human
Source	Yeast
ProteinLength	1-198 aa
Description	This protein 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. This protein contains a Bcl-2 homology domain 3 (BH3). It has been shown to interact with other members of the BCL-2 protein family, including BCL2, BCL2L1/BCL-X(L), and MCL1, and to act as an apoptotic activator. The expression of this gene can be induced by nerve growth factor (NGF), as well as by the forkhead transcription factor FKHR-L1, which suggests a role of this gene in neuronal and lymphocyte apoptosis. Transgenic studies of the mouse counterpart suggested that this gene functions as an essential initiator of apoptosis in thymocyte-negative selection. Several alternatively spliced transcript variants of this gene have been identified.
Form	Tris-based buffer, 50% glycerol
AA Sequence	MAKQPSDVSS ECDREGRQLQ PAERPPQLRP GAPTSLQTPEP QGNPEGNHGG EGDSCPHGSP QGPLAPPASP GPFATRSPLF IFMRRSSLLS RSSSGYFSFD

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TDRSPAPMSC DKSTQTPSPP CQAFNHLYSA MASMRQAEPA DMRPEIWIAQ
ELRRIGDEFN AYYARRVFLN NYQAAEDHPR MVILRLRYI VRLVWRMH

Purity >90% (SDS-PAGE)

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage Store at -20 centigrade, for extended storage, conserve at -20 centigrade or -80 centigrade.

GENE INFORMATION

Gene Name BCL2L11 BCL2-like 11 (apoptosis facilitator) [Homo sapiens]

Official Symbol BCL2L11

Synonyms BCL2L11; BCL2-like 11 (apoptosis facilitator); bcl-2-like protein 11; BIM; BimEL; BimL; BOD; bcl2-L-11; bcl-2 interacting protein Bim; bcl-2-related ovarian death agonist; bcl-2 interacting mediator of cell death; BAM; BIM-beta6; BIM-beta7; BIM-alpha6;

Gene ID 10018

mRNA Refseq NM_001204106

Protein Refseq NP_001191035

MIM 603827

UniProt ID O43521

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Chromosome Location	2q13
Pathway	Activation of BH3-only proteins, organism-specific biosystem; Activation of BIM and translocation to mitochondria, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem; BH3-only proteins associate with and inactivate anti-apoptotic BCL-2 members, organism-specific biosystem; Cell death signalling via NRAGE, NRIF and NADE, organism-specific biosystem;
Function	contributes_to microtubule binding; microtubule binding; protein binding;

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