

Recombinant Human BCL2-Like 11 (Apoptosis Facilitator)

Cat. No. BCL2L11-1578H Lot. No. (See product label)

SPECIFICATION

Species Human

Source E.coli

Description

Bcl-2-like protein 11 is a protein that in humans is encoded by the BCL2L11 gene. 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 protein encoded by this gene 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.

State Of Matter Solution.

Purity >95% by SDS Page and HPLC.

Molecular Weight The predicted molecular weight of Recombinant Human BIM is Mr 22 kDa.

GENE INFORMATION

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Gene Name	BCL2L11 BCL2-like 11 (apoptosis facilitator) [Homo sapiens]
Synonyms	BCL2-like 11 (apoptosis facilitator); BAM; BIM; BOD; BimL; BimEL; BIM-beta6; BIM-beta7; BIM-alpha6; BCL2L11; BCL2-like 11; OTTHUMP00000197013; bcl-2 interacting protein Bim; bcl-2-related ovarian death agonist; bcl-2 interacting mediator of cell death; Bcl2-L-11; Bcl2-interacting mediator of cell death
Gene ID	10018
mRNA Refseq	NM_006538
Protein Refseq	NP_006529
MIM	603827
UniProt ID	O43521
Chromosome Location	2q13
Pathway	Apoptosis; Signalling by NGF
Function	microtubule binding; protein binding

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