

Recombinant Human BAX Protein, DYKDDDDK-tagged

Cat. No. BAX-31H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein from the full-length sequence of Homo sapiens BCL2 associated X, apoptosis regulator (BAX), transcript variant alpha (NM_138761), with a DYKDDDDK tag was expressed in human cells.
Species	Human
Source	Human Cells
Description	The protein encoded by this gene belongs to the BCL2 protein family. BCL2 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 forms a heterodimer with BCL2, and functions as an apoptotic activator. This protein is reported to interact with, and increase the opening of, the mitochondrial voltage-dependent anion channel (VDAC), which leads to the loss in membrane potential and the release of cytochrome c. The expression of this gene is regulated by the tumor suppressor P53 and has been shown to be involved in P53-mediated apoptosis. Multiple alternatively spliced transcript variants, which encode different isoforms, have been reported for this gene.
Molecular Mass	22.1 kDa
Endotoxin	< 0.1 ng/ µg of protein (< 1 EU/ µg)
Purity	> 90% by SDS-PAGE gel and Coomassie Blue staining
Applications	Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and

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protein-protein interaction studies; For research & development use only!

Storage Buffer

Purified protein formulated in a sterile solution of TBS buffer, pH7.4, without any preservatives

GENE INFORMATION

Gene Name [BAX BCL2 associated X, apoptosis regulator \[Homo sapiens \(human\) \]](#)

Official Symbol [BAX BCL2 associated X, apoptosis regulator \[Homo sapiens \(human\) \]](#)

Synonyms BAX; BCL2 associated X, apoptosis regulator; BCL2L4; apoptosis regulator BAX; BCL2 associated X protein; BCL2-associated X protein omega; Baxdelta2G9; Baxdelta2G9omega; Baxdelta2omega; bcl-2-like protein 4; bcl2-L-4

Gene ID [581](#)

mRNA Refseq [NM_138764](#)

Protein Refseq [NP_620119](#)

MIM [600040](#)

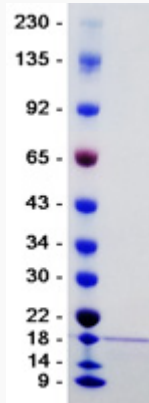
UniProt ID [Q07812](#)

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SDS-PAGE



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