

Recombinant Full Length Human BAX Protein, His tagged

Cat. No. BAX-20H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Bax Protein, Human (Cell-Free, His) is the recombinant human-derived Bax, expressed by E. coli Cell-free, with N-10*His labeled tag.
Species	Human
Source	E.coli
ProteinLength	1-192 aa
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. The association and the ratio of BAX to BCL2 also determines survival or death of a cell following an apoptotic stimulus. 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.
Form	Lyophilized Powder
Molecular Mass	23.3 kDa

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Endotoxin	< 1 EU/μg by LAL.
Purity	Greater than 90% as determined by reducing SDS-PAGE.
Storage	Stored at -20 centigrade for 2 years from date of receipt. After reconstitution, it is stable at 4 centigrade for 1 week or -20 centigrade for longer (with carrier protein). It is recommended to freeze aliquots at -20 centigrade or -80 centigrade for extended storage.
Storage Buffer	Lyophilized from a 0.2 μm sterile filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ O.
Shipping	Room temperature in continental US; may vary elsewhere.

GENE INFORMATION

Gene Name	BAX BCL2 associated X, apoptosis regulator [Homo sapiens (human)]
Official Symbol	BAX
Synonyms	BAX; BCL2-associated X protein; apoptosis regulator BAX; BCL2L4; bcl2-L-4; bcl-2-like protein 4; BCL2-associated X protein omega;
Gene ID	581
mRNA Refseq	NM_004324
Protein Refseq	NP_004315

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MIM	600040
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UniProt ID	Q07812
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