

Recombinant Human BAX Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BAX-3974H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BAX MS Standard C13 and N15-labeled recombinant protein (NP_620116) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	21 kDa
AA Sequence	MDGSGEQPRGGGPTSSEQIMKTGALLLQGFIQDRAGRMGGEAPELALDPVPQDAS TKKLSECLKRIGDELDSNMELQRMIAAVDTDSPREVFVRVAADMFSNGNFWGRVV

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ALFYFASKLVLKALCTKVPELIRTIMGWTLDFLRERLLGWIQDQGGWDGLLSYFGTP
TWQTVTIFVAGVLTASLTIWKKMGRTRRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name BAX BCL2-associated X protein [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_138761

Protein Refseq NP_620116

MIM 600040

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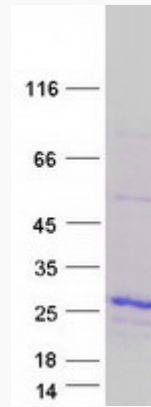
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UniProt ID

Q07812

SDS-PAGE



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