

## Recombinant Mouse Bax Protein, His-tagged

Cat. No. Bax-299M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Bax Protein (Met1-Gly192) with N-His tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-Gly192
<b>Description</b>	Enables Hsp70 protein binding activity; chaperone binding activity; and identical protein binding activity. Involved in activation of cysteine-type endopeptidase activity involved in apoptotic process. Acts upstream of or within several processes, including animal organ development; apoptotic signaling pathway; and regulation of apoptotic process. Located in cytosol; endoplasmic reticulum; and mitochondrial outer membrane. Part of BAX complex. Is expressed in several structures, including alimentary system; branchial arch; central nervous system; genitourinary system; and sensory organ. Human ortholog(s) of this gene implicated in acute lymphoblastic leukemia; ataxia telangiectasia; colon adenocarcinoma; colorectal cancer; and lung non-small cell carcinoma. Orthologous to human BAX (BCL2 associated X, apoptosis regulator).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 21.3 kDa

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<b>Purity</b>	> 97%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	Bax BCL2-associated X protein [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Bax
<b>Synonyms</b>	BAX; BCL2-associated X protein; apoptosis regulator BAX
<b>Gene ID</b>	12028
<b>mRNA Refseq</b>	NM_007527
<b>Protein Refseq</b>	NP_031553
<b>UniProt ID</b>	Q07813

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