

Recombinant Mouse Bax Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Mouse Bax Protein (Met1-Gly192) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Gly192
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.3 kDa

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Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

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

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