

Recombinant Mouse BCL2-associated X Protein, GST-tagged

Cat. No. Bax-1381M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Bax amino acid 1-171 produced in <i>E. Coli</i> is a single, non-glycosylated polypeptide chain. The Mouse Bax is purified by proprietary chromatographic techniques.
Species	Mouse
Source	E.coli
ProteinLength	1-171 a.a.
Description	Bcl-2-associated X protein (Bax) belongs to the Bcl-2 protein family. Bax is a pro-apoptotic Bcl-2 protein containing BH1, BH2 and BH3 domains. Bax accelerates programmed cell death by binding to, and antagonizing the apoptosis repressor bcl2 or its adenovirus homolog e1b 19k protein. Bax induces the release of cytochrome c, activation of casp3, and thereby apoptosis. Bax is expressed in a wide variety of tissues, with highest levels in the testis and ovary. Tumor suppressor protein p53 upregulates the expression of BAX. Bax has been shown to be involved in p53-mediated apoptosis.
Physical Appearance	Sterile Filtered colorless solution.
Formulation	The protein contains 10mM Tris-HCL pH-8, 1mM EDTA and 250mM NaCl.
Applications	Input marker or positive control (Western Blotting).

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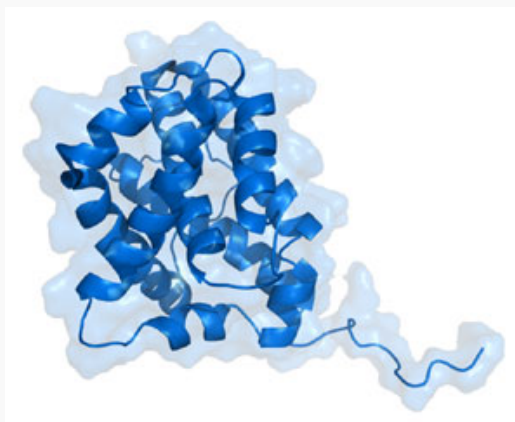
Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Stability	Mouse Bax although stable at 12°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.
GENE INFORMATION	
Gene Name	Bax BCL2-associated X protein [Mus musculus]
Synonyms	Bax; BCL2-associated X protein
Gene ID	12028
mRNA Refseq	NM_007527
Protein Refseq	NP_031553
UniProt ID	Q07813
Chromosome Location	7 B5; 7 23.0 cM
Pathway	Amyotrophic lateral sclerosis (ALS); Apoptosis; Colorectal cancer; Huntington's disease; Huntington's disease; Neurotrophin signaling pathway; Pathways in cancer; p53 signaling pathway; Prion diseases
Function	BH3 domain binding; protein binding; protein heterodimerization activity

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