

## Recombinant Mouse BCL2-associated X Protein, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-171 a.a.
<b>Description</b>	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.
<b>Physical Appearance</b>	Sterile Filtered colorless solution.
<b>Formulation</b>	The protein contains 10mM Tris-HCL pH-8, 1mM EDTA and 250mM NaCl.
<b>Applications</b>	Input marker or positive control (Western Blotting).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

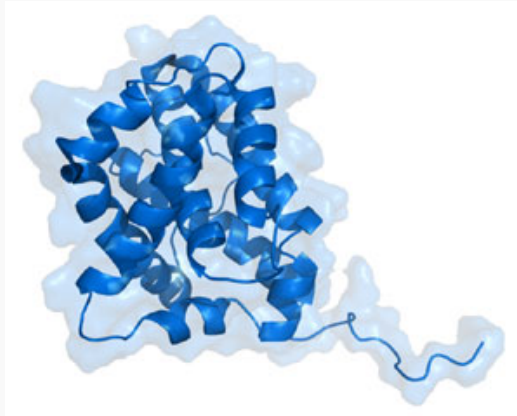
<b>Purity</b>	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
<b>Stability</b>	Mouse Bax although stable at 12°C for 1 week, should be stored desiccated below -18°C. Please prevent freeze-thaw cycles.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	Bax BCL2-associated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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Based on PDB id  
1F16.



 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA