Recombinant Human BAX, GST-tagged

Cat. No. BAX-6975H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human BAX was expressed in E. coli cells using an N-terminal GST tag.
Species	Human
Source	E.coli
ProteinLength	Full length
Description	BAX is a proapoptotic protein of the BCL2 protein family. BAX forms a heterodimer with BCL2 and functions as an apoptotic activator. BAX interacts with and increases the opening of the mitochondrial voltage-dependent anion channel (VDAC), which leads to the loss in the mitochondrial membrane potential and the release of cytochrome c. The expression of BAX gene is regulated by the tumor suppressor p53 and BAX 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.
Form	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~49 kDa
Purity	>75%

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Applications	Western Blot
Storage	Store at –70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. Avoid freeze/thaw cycles.
Concentration	0.2 μg/μl

GENE INFORMATION

Gene Name	BAX BCL2-associated X protein [Homo sapiens]
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_004324
Protein Refseq	NP_004315
MIM	600040
UniProt ID	Q07812
Chromosome Location	19q13.3-q13.4
Pathway	Activation, translocation and oligomerization of BAX, organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral

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	sclerosis (ALS), conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Apoptosis, organism-specific biosystem;
Function	BH3 domain binding; BH3 domain binding; channel activity; identical protein binding; lipid binding; protein binding; protein heterodimerization activity; protein homodimerization activity; protein homodimerization activity;

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