

Datasheet for ABIN6699545
BAX Protein (GST tag)



[Go to Product page](#)

Overview

| | |
|-------------------------------|--|
| Quantity: | 20 µg |
| Target: | BAX |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This BAX protein is labelled with GST tag. |
| Application: | Western Blotting (WB) |

Product Details

| | |
|---------------|--|
| Purpose: | BAX recombinant protein-GST fusion protein |
| Purification: | Recombinant full-length human BAX was expressed in E. coli cells using an N-Terminal Glutathione-S-Transferase fusion protein. The purity was determined to be >75% by densitometry. |
| Purity: | >75% |

Target Details

| | |
|-------------------|--|
| Target: | BAX |
| Alternative Name: | BAX (BAX Products) |
| Background: | <p>Synonyms: BCL2-associated X protein, BCL2L4, Apoptosis regulator BAX</p> <p>Background: 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</p> |

Target Details

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 (1). 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 (2). BAX Protein is ideal for investigators involved in Signaling Proteins, Apoptosis Proteins, AKT/PKB Pathway, Apoptosis/Autophagy, Cancer, Cardiovascular Disease, and Neurobiology research.

| | |
|-----------------|---|
| NCBI Accession: | NM_004324 |
| Pathways: | p53 Signaling , PI3K-Akt Signaling , Apoptosis , Caspase Cascade in Apoptosis , Positive Regulation of Endopeptidase Activity , Unfolded Protein Response |

Application Details

| | |
|--------------------|---|
| Application Notes: | Application Note: BAX Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol. BAX Protein is suitable for use in Western Blot. Expect a band approximately ~ 49 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user. Western Blot Dilution: User Optimized |
| Restrictions: | For Research Use only |

Handling

| | |
|------------------|---|
| Format: | Liquid |
| Concentration: | 0.1 µg/µL |
| Buffer: | BAX Protein is stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol. |
| Storage: | -80 °C |
| Storage Comment: | Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles. |
| Expiry Date: | 12 months |