

# Product Information

## MemDX™ Membrane Protein Human BAX (BCL2 associated X, apoptosis regulator) Full

### Length

Cat. No.: **MPC2042K**

This product is for research use only and is not intended for diagnostic use.

This product is a 21.1 kDa Human BAX membrane protein expressed in *E.coli*. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

BAX

#### Protein Length

Full length

#### Protein Class

Receptor

#### Molecular Weight

21.1 kDa

#### TMD

1

#### Sequence

MDGSGEQPRGGGPTSSEQIMKTGALLLQGFIQDRAGRMGGGEAPELALDPV  
PQDASTKKLSECLKRIGDELDSNMELQRMIAAVDTDSPREVFFRVAADMF  
SDGNFNWGRVVALFYFASKLVLKALCTKVPELIRTIMGWTLDFLRERLLG  
WIQDQGGWDGLLSYFGTPTWQTVTIFVAGVLTASLTIWKKMG

### Product Description

#### Expression Systems

*E.coli*

#### Tag

Based on specific requirements

#### Protein Format

Detergent or based on specific requirements

**Form**

Liquid

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

BAX

**Full Name**

BCL2 associated X, apoptosis regulator

**Introduction**

The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein forms a heterodimer with BCL2, and functions as an apoptotic activator. The association and the ratio of BAX to BCL2 also determines survival or death of a cell following an apoptotic stimulus. This protein is reported to interact with, and increase the opening of, the mitochondrial voltage-dependent anion channel (VDAC), which leads to the loss in membrane potential and the release of cytochrome c. The expression of this gene is regulated by the tumor suppressor P53 and 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.

**Alternative Names**

BAX; BCL2L4; apoptosis regulator BAX; BCL2 associated X protein; BCL2-associated X protein omega; Baxdelta2G9; Baxdelta2G9omega; Baxdelta2omega; bcl-2-like protein 4; bcl2-L-4; BCL2 associated X, apoptosis regulator

**Gene ID**

[581](#)

**UniProt ID**

[Q07812](#)