

Datasheet for ABIN7552606
BAX Protein (AA 1-192) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	BAX
Protein Characteristics:	AA 1-192
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BAX protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat BAX Protein expressed in mammalien cells.
Sequence:	MDGSGEQPRG GGPTSSEQIM KTGALLLQGF IQDRAGRMGG EAPELALDPV PQDASTKKLS ECLKRIGDEL DSNMELQRMI AAVDTDSPRE VFFRVAADMF SDGNFNWGRV VALFYFASKL VLKALCTKVP ELIRTIMGWT LDFLRERLLG WIQDQGGWDG LLSYFGTPTW QTVTIFVAGV LTASLTIWKK MG Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalien cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.

Product Details

- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	BAX
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Alternative Name:	BAX (BAX Products)
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Background:	Apoptosis regulator BAX (Bcl-2-like protein 4) (Bcl2-L-4),FUNCTION: Plays a role in the mitochondrial apoptotic process (PubMed:10772918, PubMed:16113678, PubMed:18948948, PubMed:21199865, PubMed:21458670, PubMed:25609812, PubMed:8358790, PubMed:8521816, PubMed:11060313, PubMed:16199525, PubMed:36361894). Under normal conditions, BAX is largely cytosolic via constant retrotranslocation from mitochondria to the cytosol mediated by BCL2L1/Bcl-xL, which avoids accumulation of toxic BAX levels at the mitochondrial outer membrane (MOM) (PubMed:21458670). Under stress conditions, undergoes a conformation change that causes translocation to the mitochondrion membrane, leading to the release of cytochrome c that then triggers apoptosis (PubMed:11060313, PubMed:16199525, PubMed:10772918, PubMed:16113678, PubMed:18948948, PubMed:21199865, PubMed:21458670, PubMed:25609812, PubMed:8358790, PubMed:8521816). Promotes activation of CASP3, and thereby apoptosis (PubMed:11060313, PubMed:16199525, PubMed:10772918, PubMed:16113678, PubMed:18948948, PubMed:21199865, PubMed:21458670, PubMed:25609812, PubMed:8358790, PubMed:8521816). {ECO:0000269 PubMed:10772918, ECO:0000269 PubMed:11060313, ECO:0000269 PubMed:16113678, ECO:0000269 PubMed:16199525, ECO:0000269 PubMed:18948948, ECO:0000269 PubMed:21199865,
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Target Details

ECO:0000269|PubMed:21458670, ECO:0000269|PubMed:25609812,
ECO:0000269|PubMed:36361894, ECO:0000269|PubMed:8358790,
ECO:0000269|PubMed:8521816}.

Molecular Weight: 21.2 kDa

UniProt: [Q07812](#)

Pathways: [p53 Signaling](#), [PI3K-Akt Signaling](#), [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [Positive Regulation of Endopeptidase Activity](#), [Unfolded Protein Response](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months