



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Datasheet

### BAX (Human) Recombinant Protein (P01)

**Catalog Number:** H00000581-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human BAX full-length ORF (AAH14175, 1 a.a. - 192 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

```
MDGSGEQPRGGPTSSEIQIMKTGALLLQGFQDRAG
RMGGEAPELALDPVPQDASTKKLSECLKRIGDELDSN
MELQRMIAAVDTPREVFFRVAADMFSNGNFWGR
VVALFYFASKLVKALCTKVPKELIRTIMGWTLDFLRERL
LGWIQDQGGWDGLLSYFGTPTWQTATIFVAGVLTASL
TIWKKMG
```

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 46.86

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 581

**Gene Symbol:** BAX

**Gene Alias:** BCL2L4

**Gene Summary:** 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. 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. [provided by RefSeq]

**References:**

1. Bcl-w promotes cell invasion by blocking the invasion-suppressing action of Bax. Kim EM, Kim J, Park JK, Hwang SG, Kim WJ, Lee WJ, Kang SW, Um HD. Cell Signal. 2012 Jun;24(6):1163-72.
2. Viral apoptosis is induced by IRF-3-mediated activation of Bax. Chattopadhyay S, Marques JT, Yamashita M, Peters KL, Smith K, Desai A, Williams BR, Sen GC. EMBO J. 2010 Apr 1. [Epub ahead of print]
3. Developmental Shift of Cyclophilin D Contribution to Hypoxic-Ischemic Brain Injury. Wang X, Carlsson Y, Basso E, Zhu C, Rousset CI, Rasola A, Johansson BR, Blomgren K, Mallard C, Bernardi P, Forte MA, Hagberg H. J Neurosci. 2009 Feb 25;29(8):2588-96.