



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### BAK1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00000578-P01

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

**Product Description:** Human BAK1 full-length ORF ( NP\_001179.1, 1 a.a. - 211 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MASGQGPQPPRQECGEPALPSASEEQVAQDTEEVFR  
SYVFYRHQQEQEAEGVAAPADPEMVTLPQPSSTMG  
QVGRQLAIIGDDINRRYDSEFQTMLQLHQPTEAENAYEY  
FTKIATSLFESGINWGRVVALLGFGYRLALHVVYQHGLT  
GFLGQVTRFVVDVDFMLHHCIARWIAQRGGWVAALNLG  
NGPILNVLVVLGVLLGQFVRRFFKS

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

**Theoretical MW (kDa):** 49.8

**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:** 578

**Gene Symbol:** BAK1

**Gene Alias:** BAK, BAK-LIKE, BCL2L7, CDN1, MGC117255, MGC3887

**Gene Summary:** The protein encoded by this gene

belongs to the BCL2 protein family. BCL2 family members form oligomers or heterodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein localizes to mitochondria, and functions to induce apoptosis. It interacts with and accelerates the opening of the mitochondrial voltage-dependent anion channel, which leads to a loss in membrane potential and the release of cytochrome c. This protein also interacts with the tumor suppressor P53 after exposure to cell stress. [provided by RefSeq]

**References:**

1. Systems Analysis of BCL2 Protein Family Interactions Establishes a Model to Predict Responses to Chemotherapy. Lindner AU, Concannon CG, Boukes GJ, Cannon MD, Llambi F, Ryan D, Boland K, Kehoe J, McNamara DA, Murray F, Kay EW, Hector S, Green DR, Huber HJ, Prehn JH. Cancer Res. 2013 Jan 15;73(2):519-28. doi: 10.1158/0008-5472.CAN-12-2269.