

Product Information

MemDX™ Membrane Protein Human BAK1 (BCL2 antagonist/killer 1)

Cat. No.: **MP0004F**

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

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

BAK1

Protein Length

Truncated form

Protein Class

Transporter

Molecular Weight

17 kDa

TMD

1

Sequence

MASGQGPGPPRQECGEPALPSASEEQVAQDTEEVFRSYVFYRHQQEQEAEGVAAPADPEM
VTLPLQPSSTMGQVGRQLAIIGDDINRRYDSEFQTMLQHLQPTAENAYEYFTKIATRPAA
TPTACLRVASIGAVWWLFWASATVWPYTSTMA

Product Description

Activity

Yes

Application

Protein delivery

Expression Systems

Cell-free expression system

Tag

Histidine tag fused to the N-terminal end of the protein

Protein Format

Proteoliposome

Form

Powder

Purification

Sucrose gradient

Purity

>61% by SDS-Page and Coomassie Blue staining

Buffer

PBS, Tris 50mM, pH 7.5, HEPES 50mM, pH 7.5

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

BAK1

Full Name

BCL2 antagonist/killer 1

Introduction

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.

Alternative Names

BAK, CDN1, BCL2L7, BAK-LIKE

Gene ID

[578](#)

UniProt ID

[Q16611](#)