

## Recombinant Human BAK1 Protein, His tagged

Cat. No. BAK1-001H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human BAK1 Protein (1-124 aa) with His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-124 aa
<b>Description</b>	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.
<b>AASequence</b>	MHHHHHHHHHDYKDDDDKMASGQGPGPPRQECGEPALPSASEEQVAQDTEEVFRS YVFYRHQQEQEAEGVAAPADPEMVTLP LQPSSTMGQVGRQLAIIGDDINRRYDSEF QTMLQHLQPTAENAYEYFTKIATSLFESGIN
<b>Molecular Mass</b>	16 kDa
<b>Purity</b>	> 90% by SDS-PAGE
<b>Storage</b>	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the

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protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

**Storage Buffer** Sterile PBS, pH7.4, 0.1% SKL

**Concentration** 0.24 mg/mL by BCA

## GENE INFORMATION

**Gene Name** [BAK1 BCL2-antagonist/killer 1 \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [BAK1](#)

**Synonyms** BAK1; BCL2-antagonist/killer 1; CDN1; bcl-2 homologous antagonist/killer; BAK; BCL2L7; bcl2-L-7; BCL2-like 7 protein; bcl-2-like protein 7; apoptosis regulator BAK; pro-apoptotic protein BAK; BAK-LIKE; MGC3887; MGC117255;

**Gene ID** [578](#)

**mRNA Refseq** [NM\\_001188](#)

**Protein Refseq** [NP\\_001179](#)

**MIM** [600516](#)

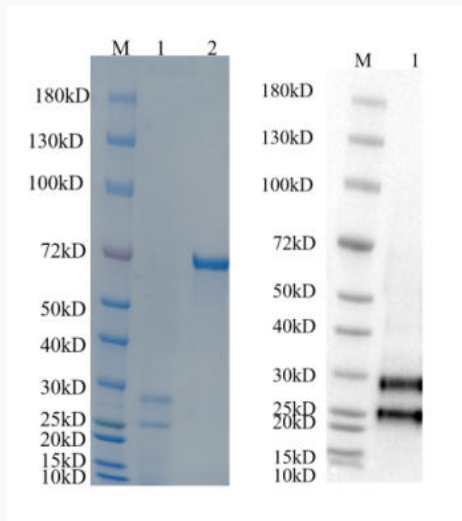
**UniProt ID** [Q16611](#)

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**SDS-PAGE and WB**



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified BAK1. 1. BAK1: 1 µg 2. BSA: 1 µg

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