

Recombinant Human BAK1 293 Cell Lysate

Cat. No. BAK1-8519HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for BCL2-antagonist/killer 1 (BAK1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.

Components

This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).

Size 0.1 mg

Storage Instruction

Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

BAK1 BCL2-antagonist/killer 1 [Homo sapiens]

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

**Chromosome
Location**

6p21.31

Pathway

Activation and oligomerization of BAK protein, organism-specific biosystem;
Apoptosis, organism-specific biosystem; Apoptosis, organism-specific biosystem;
Direct p53 effectors, organism-specific biosystem; Intrinsic Pathway for Apoptosis,
organism-specific biosystem; Protein processing in endoplasmic reticulum, organism-

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specific biosystem; Protein processing in endoplasmic reticulum, conserved biosystem;

Function

BH domain binding; chaperone binding; heat shock protein binding; identical protein binding; metal ion binding; protein binding; protein heterodimerization activity;

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