

# Recombinant human BID protein

Catalog Number: BID0801

## PRODUCT INFORMATION

### Expression system

E.coli

### Domain

1-195aa

### UniProt No.

P55957

### NCBI Accession No.

NP\_001187

### Alternative Names

BH3 interacting domain death agonist isoform 2, FP497, MGC15319, MGC42355, BH3 interacting domain death agonist isoform 2, BID, BH3 interacting domain death agonist isoform 2 Apoptotic death agonist, Apoptotic death agonist BID, BH3 interacting domain death agonist, HGNC:1050, BH3 interacting domain death agonist p11, BH3 interacting domain death agonist p13, BH3 interacting domain death agonist p15, BID isoform ES(1b), BID isoform L(2), Desmocollin type 4, Human BID coding sequence, OTTHuMP00000196197, p11 BID, p13 BID, p15 BID, p22 BID.

## PRODUCT SPECIFICATION

### Molecular Weight

21.9 kDa (195aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol

### Purity

> 95% by SDS-PAGE

### Tag

Non-Tagged

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

### Description

BID is a pro-apoptotic Bcl-2 protein containing only the BH3 domain. In response to apoptotic signaling, BID

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interacts with another Bcl-2 family protein, Bax, leading to the insertion of Bax into the outer mitochondrial membrane. Bax is believed to induce the opening of the mitochondrial voltage-dependent anion channel. This results in the release of cytochrome c and other pro-apoptotic factors from the mitochondria leading to activation of caspases. Recombinant BID protein was expressed in *E. coli* and purified by using conventional chromatography techniques.

### Amino acid Sequence

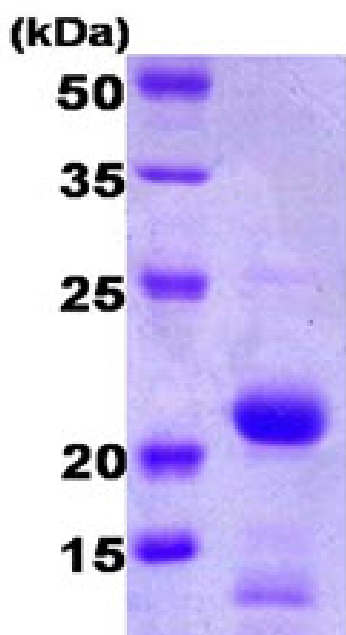
MDCEVNNGSS LRDECITNLL VFGFLQSCSD NSFRRELDAL GHELPVLAPQ WEGYDELQTD GNRSSHSRLG RIEADSESQE  
DIIRNIARHL AQVGDSMDRS IPPGLVNGLA LQLRNTSRSE EDNRNRLATA LEQLLQAYPR DMEKEKTMVL LALLAKKVA  
SHTPSLLRDV FHITTVNFINQ NLRITYVRS LA RNGMD

### General References

Luo, X., et al. (1998). *Cell*. 94:481  
Li, H., et al. (1998). *Cell*. 94:491  
Zha, J., et al. (2000). *Science* 290:1761

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)