

# Recombinant human BNIP1 protein

Catalog Number: ATGP2912

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-199aa

### UniProt No.

Q12981

### NCBI Accession No.

NP\_001196

### Alternative Names

Vesicle transport protein SEC20, NIP1, SEC20, TRG-8

## PRODUCT SPECIFICATION

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### Molecular Weight

25.2 kDa (222aa)

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE, Denatured

### 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

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### Description

BNIP1 is a member of the BCL2/adenovirus E1B 19 kd-interacting protein (BNIP) family. It interacts with the E1B 19 kDa protein, which protects cells from virally-induced cell death. This protein also interacts with E1B 19 kDa-like sequences of BCL2, another apoptotic protector. In addition, it is involved in vesicle transport into the endoplasmic reticulum. Alternative splicing of this gene results in four protein products with identical N- and C-termini. Recombinant human BNIP1 protein, fused to His-tag at N-terminus, was expressed in E. coli.

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## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MAAPQDV HVRICNQEIV KFDLEVKALI QDIRDCSGPL SALTELNTKV  
KEKFQQLRHR IQDLEQLAKE QDKESEKQLL LQEVENHKKQ MLSNQASWRK ANLTCKIAID NLEKAELLQG GDLLRQRKTT  
KESLAQTSST ITESLMGISR MMAQQVQQSE EAMQSLVTSS RTILDANEEF KSMSGTIQLG RKLITKYNRR EL

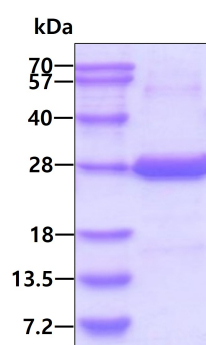
## General References

Nakajima K., et al. (2004) EMBO J. 23:3216-3226

## DATA

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### SDS-PAGE



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