

# Recombinant human BMF protein

Catalog Number: ATGP0324

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-129aa

### UniProt No.

Q96LC9

### NCBI Accession No.

NP\_001003943

### Alternative Names

Bcl2 modifying factor isoform 3, Bcl2 modifying factor, isoform 3, BMF, Bcl2 modifying factor, isoform 3 Bcl 2 modifying factor, FLJ00065.

## PRODUCT SPECIFICATION

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### Molecular Weight

15.6 kDa (144aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing, 1mM DTT, 10% glycerol

### Purity

> 90% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

T7-Tag

### 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

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### Description

Bcl2 modifying factor, also known as BMF belongs to the Bcl2 protein family of apoptosis mediators. Bmf is constitutively expressed in many tissues. This protein contains a single Bcl2 homology domain 3 (BH3), and has been shown to bind Bcl2 proteins and function as an apoptotic activator. Also, BMF is a key molecule for histone

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deacetylase (HDAC) inhibitors which alters the balance between acetylation and deacetylation, significantly increasing histone acetylation, while strongly inducing apoptosis in a variety of cancer cell types. Recombinant human BMF, fused to T7-tag at N-terminus, was expressed in *E. coli* and purified by using conventional chromatography.

### Amino acid Sequence

MASMTGGQQM GRGSHMEPSQ CVEELEDVDF QPEDGEPVTQ PGSLLSADLF AQSLDCPLS RLQLFPLTHC CGPGLRPTSQ EDKATQTLSP ASPSQGVMLP CGVTEEPQRL FYAPAEPKSC VVADPPLPAQ PCFEWRREQE RGRP

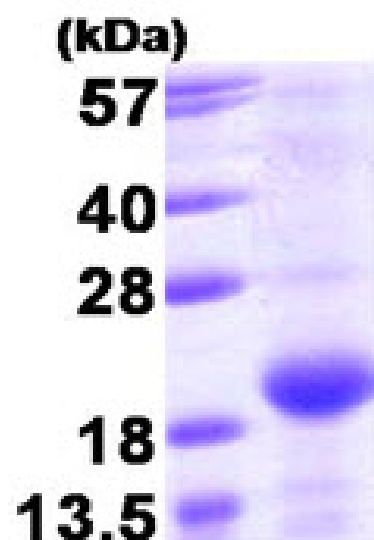
### General References

Morales AA., et al. (2004). *Leukemia*. 18(1):41-7

Chen L., et al. (2005). *Mol Cell*. 17(3):393-403

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)