Recombinant human BMF protein

Catalog Number: ATGP0324

PRODUCT INFORMATION

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

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

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

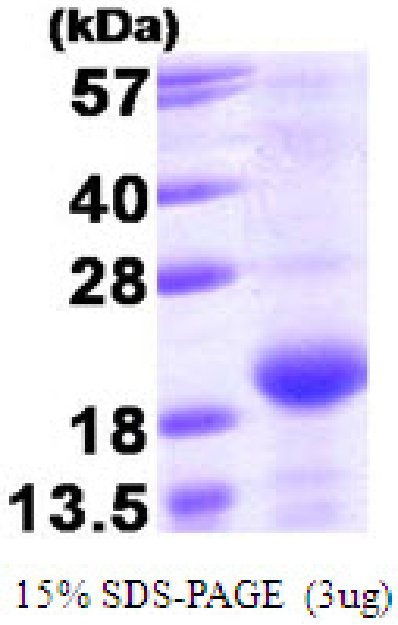
MASMTGGQQM GRGSHMEPSQ CVEELEDDVF QPEDGEPVTQ PGSLLSADLF AQSLLDCPLS RLQLFPLTHC CGPGLRPTSQ EDKATQTLSP ASPSQGVMLP CGVTEEPQRL FYAPAEPKSC VVADPPLPAQ PCFEWRREQE RGRP

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



15% SDS-PAGE (3ug)

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