Product information

BMF, 1-129aa

Human, T7-tagged, Recombinant, *E.coli*

Cat. No. IBATGP0324

Full name: Bcl2 modifying factor, isoform 3

NCBI Accession No.: NP_001003943

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 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.

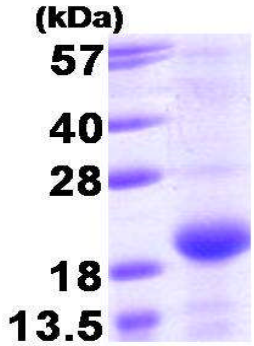
Form: Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing, 1mM DTT, 10% glycerol

Molecular Weight: 15.6 kDa (144aa)

Purity: > 90% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)



15% SDS-PAGE (3ug)

Sequences of amino acids:

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

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.

WARNING: THIS PRODUCT IS NOT INTENDED OR APPROVED FOR HUMAN, DIAGNOSTICS OR VETERINARY USE. USE OF THIS PRODUCT FOR HUMAN OR ANIMAL TESTING IS EXTREMELY HAZARDOUS AND MAY RESULT IN DISEASE, SEVERE INJURY, OR DEATH.

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Avoid repeated freezing and thawing cycles.

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