

Recombinant Human BMF, T7-tagged

Cat. No. BMF-1350H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human BMF, fused to T7-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
ProteinLength	1-129aa
Description	The protein encoded by this gene belongs to the BCL2 protein family. BCL2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. This protein contains a single BCL2 homology domain 3 (BH3), and has been shown to bind BCL2 proteins and function as an apoptotic activator. This protein is found to be sequestered to myosin V motors by its association with dynein light chain 2, which may be important for sensing intracellular damage and triggering apoptosis. Alternatively spliced transcript variants encoding different isoforms have been identified.
Form	Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing, 1mM DTT, 10% glycerol
Molecular Mass	15.6 kDa (144aa), confirmed by MALDI-TOF.
AA Sequence	MASMTGGQQM GRGSHMEPSQ CVEELEDVVF QPEDGEPVTQ PGSLLSADLF AQSLLDCPLS RLQLFPLTHC CGPGLRPTSQ EDKATQTLSP ASPSQGVMLP CGVTEEPQRL FYAPAEPKSC VVADPPLPAQ PCFEWRREQE RGRP

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Endotoxin	< 1.0 eu per 1 microgram of protein (determined by lal)
Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	BMF Bcl2 modifying factor [Homo sapiens]
Official Symbol	BMF
Synonyms	BMF; Bcl2 modifying factor; FLJ00065; Bcl-2-modifying factor
Gene ID	90427
mRNA Refseq	NM_001003943
Protein Refseq	NP_001003943
MIM	606266
UniProt ID	Q96LC9
Chromosome Location	15q14

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Pathway	Activation of BH3-only proteins; Activation of BMF and translocation to mitochondria; Androgen receptor signaling pathway
Function	protein binding

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