

Recombinant Human BMF, His-tagged

Cat. No. BMF-26283TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Bmf isoform 3 , fused to 15 amino acid His Tag at the N-terminus, predicted MWt 15.6kDa including the tag.
Species	Human
Source	E.coli
ProteinLength	129 amino acids
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.
Conjugation	HIS
Molecular Weight	15.600kDa inclusive of tags
Tissue specificity	Isoform 1 is mainly expressed in B-lymphoid cells. Isoform 2 and isoform 3 are mainly expressed in B-CLL and normal B-cells.

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Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 7.50 Constituents: 0.32% Tris HCl, 0.02% DTT, 10% Glycerol
Storage	Please see Notes section
Sequences of amino acids	MASMTGGQQM GRGSHMEPSQ CVEELEDVDF QPEDGEPVTQ PGSLLSADLF AQSLDCPLS RLQLFPLTHC CGPGLRPTSQ EDKATQTLSPASPSQGVMLP CGVTEEPQRL FYAPAEPKSC VVADPPLPAQ PCFEWRREQE RGRP
Sequence Similarities	Belongs to the Bcl-2 family.

GENE INFORMATION

Gene Name	BMF Bcl2 modifying factor [Homo sapiens]
Official Symbol	BMF
Synonyms	BMF; Bcl2 modifying factor; bcl-2-modifying factor; FLJ00065;
Gene ID	90427
mRNA Refseq	NM_033503
Protein Refseq	NP_277038
MIM	606266
Uniprot ID	Q96LC9

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Chromosome Location	15q14
Pathway	Activation of BH3-only proteins, organism-specific biosystem; Activation of BMF and translocation to mitochondria, organism-specific biosystem; Apoptosis, organism-specific biosystem; Intrinsic Pathway for Apoptosis, organism-specific biosystem;
Function	protein binding;

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