# Recombinant Human BMF, His-tagged

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

## SPECIFICATION

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| **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. |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

## GENE INFORMATION

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| **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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