
Product Data Sheet

Product Name: BMF Human
 Cat. No.: GP22887
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Bcl-2-modifying factor; FLJ00065; BMF.		
Amino Acid Sequence	MASMTGGQQM GRGSHMEPSQ CVEELEDVVF QPEDGEPVTQ PGSLLSADLF AQSLDCPLS RLQLFPLTHC CGPGLRPTSQ EDKATQTLSPASPSQGVMLP CGVTEEPQRL FYAPAEPKSC VVADPPLPAQ PCFEWRREQE RGRP.		
Formulation	The Bcl2 modifying factor solution contains 20mM Tris pH-7.5, 1mM DTT & 10% glycerol.		

Introduction

Bcl2 modifying factor, is a member of the Bcl2 protein family of apoptosis mediators. Bcl2 modifying factor is widely expressed in many tissues. Bcl2 modifying factor contains a single Bcl2 homology domain 3 (BH3), and binds Bcl2 proteins and functions as an apoptotic activator. Also, Bcl2 modifying factor is important 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. Bcl2 modifying factor supports Bim in regulating cell death processes in response to many stimuli. A synergistic role for bim and Bcl2 modifying factor in an apoptotic pathway leading to the clearance of Neisseria gonorrhoeae -infected cells.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Bcl2 modifying factor Human Recombinant produced in E.Coli is a single, non-

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glycosylated, polypeptide chain containing 144 amino acids (1-129 a.a.) and having a molecular mass of 15.6 kDa. The Bcl2 modifying factor is fused to 15 amino acid His Tag at Nterminus and purified by proprietary chromatographic techniques.

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