

Product datasheet for **SC316321**

BMF (NM_033503) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: BMF (NM_033503) Human Untagged Clone
Tag: Tag Free
Symbol: BMF
Mammalian Cell Selection: None
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)
Fully Sequenced ORF: >OriGene sequence for NM_033503 edited

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TAGCTGCTGATTCTACTCCTGCTATTGCTCACAAACCTCAGAGTCAAACCTTTGTGACCGG  
CCTAGGAGAGATGGAGCCATCTCAGTGTGTGGAGGAGCTGGAGGATGATGTGTTCCAACC  
AGAGGATGGGGAGCCGGTGACCCAACCCGGGAGCTTGCTCTCTGCTGACCTGTTTGCCCA  
GAGCCTACTGGACTGCCCCCTCAGCCGACTTCAGCTCTTCCCTCTCACCCACTGCTGTGG  
CCCTGGCCTTCGACCCACCAGCCAGGAAGACAAAGCTACCCAGACTCTCAGCCCAGCCTC  
CCCCAGCCAGGTGTCATGCTGCCTTGTGGGGTGACTGAGGAACCCAGCGACTCTTTTA  
TGGCAATGCTGGCTATCGGCTTCCTCTCCCTGCCAGTTTCCCAGCAGTCTTGCCCATTTG  
GGAGCAGCCCCCGAAGGGCAGTGGCAACATCAAGCAGAGGTACAGATTGCCCGAAAGCT  
TCAGTGCATTGCAGACCAGTTCACCCGGCTTCATGTGCAGCAACACCAGCAGAACCAAAA  
TCGTGTGTGGTGGCAGATCCTCCTTCTCCTGCACAACCTTGCTTTGAATGGAGAAGAGAA  
CAGGAACGGGGCAGGCCCTAGGTGAGGGTGGGCTGCCCTTTCACATGGGGCACCAGGAA  
CACCGTCTGGAACAGGAAGGACATCGGGCAGGAC
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_033503 unedited GGACATTTGTATACGACTCCTATAGGGCGGCCGCATCACCTAGAGTCGACAAGCTTGATA TCGGTACCGGGCCCCCTCGAGGTCGACGGTATCGATAAGCTTGATATCGAATTCCTGC AGCCCCGGGGATCCGCCCTAGCTGCTGATTCTACTCCTGCTATTGCTCACAACCCCTAGA GTCAAACCTTTGTACCGGCTAGGAGAGATGGAGCCATCTCAGTGTGGAGGAGCTGGA GGATGATGTGTTCCAACCAGAGGATGGGGAGCCGGTGACCCAACCCGGGAGCTTGCTCTC TGCTGACCTGTTGCCCCAGAGCCTACTGGACTGCCCCCTCAGCCGACTTCAGCTCTTCCC TCTCACCCACTGCTGTGGCCCTGGCCTTCGACCCACCAGCCAGGAAGACAAGCTACCCA GACTCTCAGCCCAGCCTCCCCAGCCCAGGTGTATGCTGCCTTGTGGGTGACTGAGGA ACCCCAGCGACTCTTTATGGCAATGCTGGCTATCGGCTTCTCTCCCTGCCAGTTTCCC AGCAGTCTTGCCATTGGGGAGCAGCCCCGAAGGGCAGTGGCAACATCAAGCAGAGGT ACAGATTGCCGAAAGCTTCAGTGCATTGCAGACCAGTTCACCCGGCTTCATGTGCAGCA ACACCAGCAGAACCAAAATCGTGTGTGGTGGCAGATCCTCCTTCTCCTGCACAACCTTGC TTTGAATGGAGAAGAGAACAGGAACGGGGCAGGCCCTAGTGAGGGTGGGTGCCCTTTC ACATGGGGCACCAGGAACACCGTCTGGAACAGGAAGGACATCGGGCAGGACGGGCTAGAG CGCCCGGGTCATAGCTGTTTCCGAAACAGATCCCGGGTGGCATCCCTGGTGACCCCTC CCCAGTGTCTCTGGCCCTGCAGTGCCACTCCAGTGCCACCAGCCTGTCTAATAAAAAT TAAGTTTGCAT
Restriction Sites:	Please inquire
ACCN:	NM_033503
Insert Size:	700 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.NA
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_033503.3 , NP_277038.1
RefSeq Size:	4551 bp
RefSeq ORF:	555 bp
Locus ID:	90427
UniProt ID:	Q96LC9

Cytogenetics: 15q15.1

Protein Families: Druggable Genome

Gene Summary: 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. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Transcript variants 1 and 2 encode the longest isoform (bmf-1).