

Product datasheet for **RG223634**

BMF (NM_033503) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BMF (NM_033503) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: BMF
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG223634 representing NM_033503
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCATCTCAGTGTGTGGAGGAGCTGGAGGATGATGTGTTCCAACCAGAGGATGGGGAGCCGGTGA
CCCAACCCGGGAGCTTGCTCTGCTGACCTGTTTGCCAGAGCCTACTGGACTGCCCCCTCAGCCGACT
TCAGCTCTTCCCTCTCACCCTGCTGTGGCCCTGGCCTTCGACCCAGCCAGGAAGACAAAGCTACC
CAGACTCTCAGCCAGCCTCCCCAGCCAGGTGTCATGCTGCCTGTGGGGTACTGAGGAACCCAGC
GACTCTTTTATGGCAATGCTGGCTATCGGCTTCTCCTGCCAGTTTCCAGCAGTCTTGCCCATTTGG
GGAGCAGCCCCCGAAGGGCAGTGGCAACATCAAGCAGAGGTACAGATTGCCCGAAAGCTTCAGTGCAAT
GCAGACCAGTTCCACCGCTTCATGTGCAGCAACACCAGCAGAACCAAAATCGTGTGTGGTGGCAGATCC
TCCTCTTCTGCACAACCTTGCTTTGAATGGAGAAGAGAACAGGAACGGGGCAGGCCCTAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG223634 representing NM_033503
Red=Cloning site Green=Tags(s)

MEPSQCVEELEDVDFQPEDGEPVTQPGSLLSADLFAQSLLDLDCPLSRLQLFPLTHCCGPGLRPTSQEDKAT
QTLSPASPSPGVMLPCGVTEEPQRLFYGNAGYRLPLPASFPVLPVIGEQPPEGQWQHQAQEVQIARKLQCI
ADQFHRLHVQHQQNQRVWVWQILLFLHNLALNGEENRNGAGPR

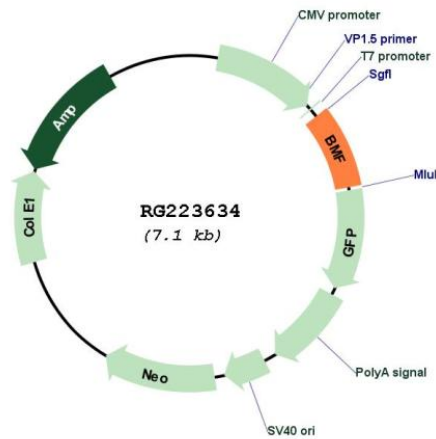
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_033503

ORF Size: 552 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_033503.3, NP_277038.1</u>
RefSeq Size:	4551 bp
RefSeq ORF:	555 bp
Locus ID:	90427
UniProt ID:	<u>Q96LC9</u>
Cytogenetics:	15q15.1
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p>