

Product datasheet for **MG203216**

Btg3 (BC094027) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Btg3 (BC094027) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Btg3
Synonyms: tob5, ANA
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG203216 representing BC094027
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGAACGAAATTGCGGCTGTTGTCTTCTTTTTACAAGGCTAGTTCGAAAGCATGACAAGTTGAAAA
AAGAAGCAGTTGAGAGGTTTGTGAGAAATTAACCAAACTTCAAGAGAAATATAAAAACTCACTGGTA
TCCAGAAAAACCATCCAAAGGTCAGGCCTACAGATGCATTCGTGTCAATAAGTTTCAGAGAGTTGATCCC
GATGTCCTGAAAGCCTGTGAGAACAGCTGCATCTGTACAGCGACCTGGGCTTGCCTAAGGAGCTTACAC
TCTGGGTGGATCCGTGTGAGGTGTGCTGCCGGTATGGAGAGAAAAACAATGCGTTCATTGTTGCCAGCTT
TGAAAATGAGGACGAGAACCAAGGATGAAATCTCCAAGAAAGTTAGCAGGGCTCTGGATAAGGTGACCTCT
GATTATCACTCAGGGTCTCTTCTCAGATGAAGACACAAGCAAGGAAGTGGACGTGAAACCCAGCTCAG
TGGCGGCAACACCAAGCCCCGTGTACCAGATTTCAGAAGTATTTCCACCTCTTCCAATGTGGCACCC
TTTGCCAGAAAAAGCCAGGAATGTATCGAGGGAGCGGCCATCAGACTCACTACCCTCCTCCTGTTCCA
TTTGCTTATCCAATCCAGGAAGGAAGAATAAACCATTCCGCCAATCCAGTGACATGGGTACCTCCTC
CTGGAATGCATTGTGACCGAAATCACTGGATTAATCCTCACATGTTAGCACCTCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203216 representing BC094027
 Red=Cloning site Green=Tags(s)

MKNEIAAVVFFFTRLVRKHDKLKEAVERFAEKL TQILQEYKNHWYPEKPSKGQAYRCIRVNKFQRVDP
 DVLKACENSCILYSDLGLPKEL TLWVDPCEVCCRYGEKNAFIVASFENEDENKDEISKKYSRALDKVTS
 DYHSGSSSSDEDT SKEVDVKPSSVAATPSVYQISELIFPPLPMWHPLPRKKPGMYRSGHGQTHYPPVPV
 FAYPNPGRKNKPFRIPTVWVPPPGMHCDRNHWINPHMLAPH

TRTRPLE - GFP Tag - V

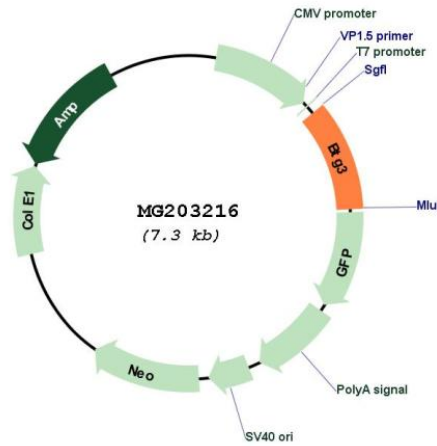
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC094027

ORF Size: 758 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:	BC094027 , AAH94027
RefSeq Size:	1429 bp
RefSeq ORF:	758 bp
Locus ID:	12228
Cytogenetics:	16 C3.1
Gene Summary:	<p>This gene encodes B cell translocation gene 3, a member of the BTG gene family. This family is defined by a conserved N-terminal domain, known to bind transcription factors, and a less conserved C-terminal domain. This protein is thought to have anti-proliferative properties, and may be involved in regulating the G1-S transition to suppress cell cycle progression. Mice deficient for this gene display an increased incidence of lung cancers, and many human lung cancer cells exhibit decreased levels of B cell translocation gene 3. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 17.</p> <p>[provided by RefSeq, Jul 2014]</p>