

Product datasheet for **MC226587**

Btg3 (NM_001297747) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Btg3 (NM_001297747) Mouse Untagged Clone

Tag: Tag Free

Symbol: Btg3

Synonyms: ANA; tob; tob5

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Cell Selection: Neomycin

Fully Sequenced ORF: >MC226587 representing NM_001297747
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAAGAACGAAATTGCGGCTGTTGTCTTCTTTTTCACAAGGCTAGTTCGAAAGCATGACAAGTTGAAAA
AAGAAGCAGTTGAGAGGTTTGCTGAGAAATTAACCTCAAATACTTCAAGAGAAATATAAAATCACTGGTA
TCCAGAAAAACCATCAAAGGTCAGGCCTACAGATGCATTGTCGTCGAATAAGTTTCAGAGAGTTGATCCC
GATGTCCTGAAAGCCTGTGAGAACAGCTGCATCTTGTACAGCGACCTGGGCTTGCCTAAGGAGCTTACAC
TCTGGGTGGATCCGTGTGAGGTGTGCTGCCGGTATGGAGAGAAAAACAATGCGTTTATTGTTGCCAGCTT
TGAAAAATGAGGACGAGAACAAGGATGAAATCTCCAAGAAAGTTAGCAGGGCTCTGGATAAGGTGACCTCT
GATTATCACTCAGGGTCTTCTTCTCAGATGAAGACACAAGCAAGGAAGTGGACGTGAAACCCAGCTCAG
TGGCGGCAACACCAAGCCCCGTGTACCAGATTTCAGAAGTATTTCCACCTTCCAATGTGGCACCC
TTTGCCAGAAAAAGCCAGGAATGTATCGAGGGAGCGGCCATCAGACTCACTACCCTCCTCCTGTTCCA
TTTGCTTATCAAATCCAGGAAGGAAGAATAAACCATTCGCCCAATTCCAGTGACATGGGTACCTCCTC
CTGGAATGCATTGTGACCGAAATCACTGGATTAATCCTCACATGTTAGCACCTCAC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001297747

Insert Size: 759 bp



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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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001297747.1</u> , <u>NP_001284676.1</u>
RefSeq Size:	1218 bp
RefSeq ORF:	759 bp
Locus ID:	12228
UniProt ID:	<u>P50615</u>
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. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: This RefSeq record was created from genomic sequence data because no single transcript from the reference strain was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.</p>