

Product datasheet for **RG221056**

BTG3 (NM_006806) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BTG3 (NM_006806) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BTG3
Synonyms:	ANA; ANA/BTG3; APRO4; TOB5; TOB55; TOFA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG221056 representing NM_006806 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGAATGAAATTGCTGCCGTTGTCTCTTTTTCACAAAGGCTAGTTCGAAAACATGATAAGTTGAAAA
AAGAGGCAGTTGAGAGGTTTGTGAGAAATTGACCCTAATACTTCAAGAAAAATATAAAAATCACTGGTA
TCCAGAAAACCATCGAAAGGACAGGCCTACAGATGTATTCGTGTCAATAAATTTAGAGAGTTGATCCT
GATGTCCTGAAAGCCTGTGAAAACAGCTGCATCTTGTATAGTGACCTGGGCTTGCCAAAGGAGCTCACTC
TCTGGGTGGACCCATGTGAGGTGTGCTGTCCGGTATGGAGAGAAAAACAATGCATTATTGTTGCCAGCTT
TGAAAATAAAGATGAGAACAAAGGATGAGATCTCCAGGAAAGTTACCAGGGCCCTTGATAAGGTTACCTCT
GATTATCATTAGGATCCTCTTCTTCAGATGAAGAAACAAGTAAGGAAATGGAAGTGAAACCCAGTTCCGG
TGACTGCACGCCAAGTCTGTGTACCAGATTTTCCAGAACTTATTTCCACCTCTTCCAATGTGGCACCC
TTTGCCAGAAAAAGCCAGGAATGTATCGAGGGAATGGCCATCAGAATCACTATCCTCCTCCTGTTCCA
TTTGTTATCCAATCAGGGAAGAAAAATAAACCATATCGCCCAATTCAGTGACATGGGTACCTCCTC
CTGGAATGCATTGTGACCGGAATCACTGGATTAATCCTCATATGTTAGCACCTCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG221056 representing NM_006806
 Red=Cloning site Green=Tags(s)

MKNEIAAVVFFFTRLVRKHKDLKKEAVERFAEKLTLILQEYKNHWYPEKPSKGQAYRCIRVKNFQRVDP
 DVLKACENSCILYSDLGLPKELTLWVDPCEVCCRYGEKNNAFIVASFENKDENKDEISRKVTRALDKVTS
 DYHSGSSSSDEETSKEMEVKPSVTAASPVIYQISELIFPPLPMWHPLPRKKPGMYRGNHGHNHYPPVP
 FGYPNQGRKNKPYRPIPTWVPPPGMHCDRNHWINPHMLAPH

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_006806

ORF Size: 756 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:

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_006806.5](#)

RefSeq Size: 1378 bp

RefSeq ORF: 759 bp

Locus ID: 10950

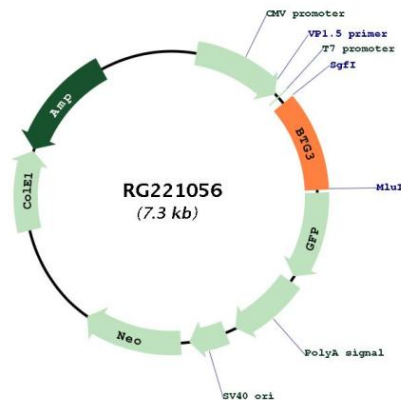
UniProt ID: [Q14201](#)

Cytogenetics: 21q21.1

Domains: Anti_proliferat

Gene Summary: The protein encoded by this gene is a member of the BTG/Tob family. This family has structurally related proteins that appear to have antiproliferative properties. This encoded protein might play a role in neurogenesis in the central nervous system. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Aug 2008]

Product images:



Circular map for RG221056