

Product datasheet for **RG214600**

BTG2 (NM_006763) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: BTG2 (NM_006763) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: BTG2
Synonyms: APRO1; PC3; TIS21
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG214600 representing NM_006763
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGCCACGGGAAGGGAACCGACATGCTCCCGGAGATCGCCGCCCGCTGGGCTTCTCTCCAGCCTCC
TGAGGACCCGGGGCTGCGTGAGCGAGCAGAGGCTTAAGGTCTTCAGCGGGGCGCTCCAGGAGGCACTCAC
AGAGCACTACAAACCACTGGTTTCCGAAAAGCCGTCGAAGGGCTCCGGCTACCGCTGCATTTCGCATC
AACCACAAGATGGACCCATCATCAGCAGGTTGCCAGCCAGATCGGACTCAGCCAGCCCCAGCTGCACC
AGCTGCTGCCAGCGAGCTGACCCTGTGGGTGGACCCCTATGAGGTGTCCTACCGCATTGGGAGGACGG
CTCCATCTGCGTCTTGTACGAGGAGGCCCACTGGCCGCCTCCTGTGGGCTCCTCACCTGCAAGAACC
GTGCTGCTGGCCGGAGCAGCCCTCAAGAACTACGTGATGGCAGTCTCCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG214600 representing NM_006763
Red=Cloning site Green=Tags(s)

MSHGKTDMLPEIAAAVGFLLSLLRTRGCVSEQLKVFSGALQEALTEHYKHHWFPEKPSKSGSYRCIRI
NHKMDPIISRVASQIGLSQPQLHQLLPSELTLWVDPYEVSYRIGEDGSICVLVEEAAPLAASCGLLTCKNQ
VLLGRSSPSKNYMAVSS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_006763

ORF Size: 474 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_006763.3](#)

RefSeq Size: 2718 bp

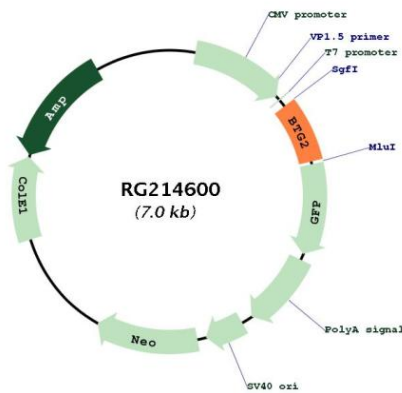
RefSeq ORF: 477 bp

Locus ID: 7832

UniProt ID: [P78543](#)

Cytogenetics: 1q32.1
Domains: Anti_proliferat
Protein Families: Transcription Factors
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 is involved in the regulation of the G1/S transition of the cell cycle. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG214600