

Product datasheet for RC214339

BTG4 (NM_017589) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: BTG4 (NM_017589) Human Tagged ORF Clone

Tag: Myc-DDK

Symbol: BTG4

Synonyms: APRO3; OOMD8; PC3B

Mammalian Cell Neomycin

Selection:

Vector:

pCMV6-Entry (PS100001)

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

ORF Nucleotide >RC214339 representing NM_017589

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA



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Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com Protein Sequence: >RC214339 representing NM_017589

Red=Cloning site Green=Tags(s)

MRDEIATTVFFVTRLVKKHDKLSKQQIEDFAEKLMTILFETYRSHWHSDCPSKGQAFRCIRINNNQNKDP ILERACVESNVDFSHLGLPKEMTIWVDPFEVCCRYGEKNHPFTVASFKGRWEEWELYQQISYAVSRASSD VSSGTSCDEESCSKEPRVIPKVSNPKSIYQVENLKQPFQSWLQIPRKKNVVDGRVGLLGNTYHGSQKHPK CYRPAMHRLDRIL

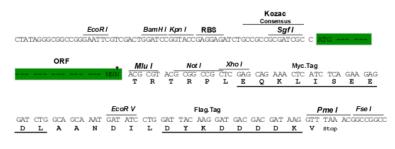
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8030 g06.zip

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_017589

ORF Size: 669 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: <u>NM 017589.4</u>

RefSeq Size:1000 bpRefSeq ORF:672 bpLocus ID:54766

 UniProt ID:
 Q9NY30

 Cytogenetics:
 11q23.1

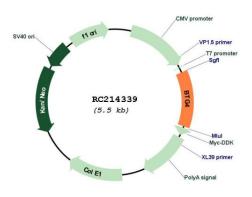
 MW:
 25.8 kDa

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

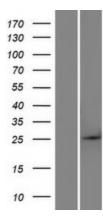
protein can induce G1 arrest in the cell cycle. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC214339





Western blot validation of overexpression lysate (Cat# [LY413680]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214339 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).