

Product datasheet for **SC115860**

BTG3 (NM_006806) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BTG3 (NM_006806) Human Untagged Clone
Tag:	Tag Free
Symbol:	BTG3
Synonyms:	ANA; ANA/BTG3; APRO4; TOB5; TOB55; TOFA
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115860 sequence for NM_006806 edited (data generated by NextGen Sequencing)

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ATGAAGAATGAAATTGCTGCCGTTGCTCTCTTTTTTACAAGGCTAGTTCGAAAACATGAT
AAGTTGAAAAAAGAGGCAGTTGAGAGGTTTGCTGAGAAAATTGACCCTAATACTTCAAGAA
AAATATAAAAAATCACTGGTATCCAGAAAAACCATCGAAAAGGACAGGCCTACAGATGTATT
CGTGTCAATAAATTTAGAGAGTTGATCCTGATGTCTGAAAGCCTGTGAAAACAGCTGC
ATCTTGTATAGTGACCTGGGCTTGCCAAAGGAGCTCACTCTCTGGGTGGACCCATGTGAG
GTGTGCTGTCCGATGGAGAGAAAAACAATGCATTATTGTTGCCAGCTTTGAAAATAAA
GATGAGAACAAGGATGAGATCTCCAGGAAAGTTACCAGGGCCCTTGATAAGGTTACCTCT
GATTATCATTGAGATCCTCTTCTCAGATGAAGAAACAAGTAAGGAAATGGAAGTGAAA
CCCAGTTCGGTGACTGCAGCCGCAAGTCTGTGTACCAGATTTCAGAACTTATATTTCCA
CCTCTTCCAATGTGGCACCTTTGCCAGAAAAAGCCAGGAATGTATCGAGGGAATGGC
CATCAGAATCACTATCCTCCTCCTGTTCCATTTGGTTATCCAAATCAGGGGAGAAAAAAT
AAACCATATCGCCCAATTCAGTGACATGGGTACCTCCTCCTGGAATGCATTGTGACCGG
AATCACTGGATTAATCCTCACATGTTAGCACCTCACTAA

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Clone variation with respect to NM_006806.4



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006806 unedited</p> <pre>GGGTGCAATTTGTATACGACTCCTATAGGGCGGCCGCGATTTCGGCACGAGGCCTCGTGCC GAATTCGGCAGCAGAGGCCAGTCCTCTCAACGCGCGCTTGGCCGCCGACGACGCGGGAG CCGCACGCGCCGACGAGGCTCGCTGCGCTCCCTGTTGCCAGCGCGGGCCCGTTGAGGC GGAGCCCTCAGTCCCAGGCCAGGACACGGTCTGGGCCGCCGAATCTCCGGCCGAAGAGCG CGGGCGCAGCGCGGGAAAAAATGAAGAATGAAATTGCTGCCGTTGTCTTCTTTTTCA CAAGCTAGTTCGAAAAACATGATAAGTTGAAAAAAGAGGCAGTTGAGAGGTTTGCTGAGA AATTGACCCTAATACTCAAGAAAAATATAAAAACTACTGGTATCCAGAAAAACCATCGA AAGGACAGGCCTACAGATGTATTCTGTCAATAAATTTTCCAGAGATTGATCCTGTATGTC TGAAAGCCTGTGAAAACAGCTGCATCTTGTATAGTGACCTGGGCTTGCCAAAGGAGCTCA CTCTCTGGGTGGACCCATGTGAGGTGTGCTGTCGGTATGGAGAGAAAAACAATGCATTCA TTGTTGCCAGCTTTGAAAATAAAGATGAGAACAAGGATGAGATCTCCAGGAAAGTTACCA GGGCCCTTGATAAGGTTACCTCTGATTATCATTANGATCCTCTTCTCAGATGAAGAAA CAAGTAAGGAAATGGAAGTGAAACCCAGTTCGGTGACTGCAGCCCAAGTCTGTGTACC AGATTTGAGAACTTATATTTCCACCTCTCCCATGTGGCACCCCTTGGCCAGAAAAGCC AGGAATGTATCCGAGGAATGGCCATCAGAATCACTATCCTCCTCTGGTCCATTTGNGT ATCCAATCCAGGAAGAAAC</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006806 unedited</p> <pre>ACCGCGCGCCGCTTTCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTCATGCCTCAAACAT TTTTTATTTGCAACTACATGATTTACACAATTCTTTAAACAACGACATAAAATAGATT TCCTTGATATAAATAAATTACATACGCTCCATAAAGTAAATTCTCAAAGGTGCTAGAAC AAATCGTCCACTTGTACAGGGTTCGTATCCAACAGAGTTGATGCACAATATAAATA CTCAAGTCCAATATTAATAAATTAGGCACTTGACTAATTAATAAAATTTCTCAAACCTA TATCAATATCTAAAGTGCATATATTTTTTAAGAAAGATTATTCTCAATAACTTCTATAAA AATAAGTTGATGGTTTGGCCCATCACTTCACTACTATTAGTAAGAACTTTTAACTTT TAATGTGTAGTAAGGTTTATTCTACTTTTTCTCAACATGACACCAACACAATCAAAAAC GAAGTTAGTGAGGTGCTAACATGTGAGGATTAATCCAGTATTCCGGTCACAATGCATTC CAGGAGGAGGTACCCATGCTACTGGAATTGGGCGATATGGTTAATTCTTTCTTCCCTGAT TGGGATAACCAACTGGCACACGAGGCGGATAGTGATTCTGATGGCCATCCCCCTCAACCA TTTCTGGCTTTTTTCTGGGGCAAAGGGTGCCACCTGGGAACAAGGGCGAAAAATTAAGT CTTGAAATCTTGGCACACCGGACATTGCGGTTGGCACACCACCCGACCTGCGGTTACCTTC CATTCCCTTACTTGGCTACTTCCCGCAAAAAAGGACCCTGAATGACAATCACAGGCAC CCTTATCAGGGCGCCGGAACTTCTGGGAATCTAACCTGTACTATCTTATTTCAAAG CGGCACCAAGATCCCGTCTTCTTCATCCCGACAAG</pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_006806
Insert Size:	1460 bp
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).
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_006806.3](#), [NP_006797.3](#)

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]

Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.