

Product datasheet for **SC119069**

BTG1 (NM_001731) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BTG1 (NM_001731) Human Untagged Clone
Tag:	Tag Free
Symbol:	BTG1
Synonyms:	APRO2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC119069 sequence for NM_001731 edited (data generated by NextGen Sequencing)

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ATGCATCCCTTCTACACCCGGGCCGCCACCATGATAGGCGAGATCGCCGCCCGCGTGTCC
TTCATCTCCAAGTTTCTCCGCACCAAGGGGCTCACGAGCGAGCGACAGCTGCAGACCTTC
AGCCAGAGCCTGCAGGAGCTGCTGGCAGAACATTATAAACATCACTGGTCCCAGAAAAG
CCATGCAAGGGATCGGGTACC GTTGTATTGCGATCAACCATAAAATGGATCCTCTGATT
GGACAGGCAGCACAGCGGATTGGACTGAGCAGTCAGGAGCTGTT CAGGCTTCTCCCAAGT
GAACTCAGACTCTGGGTTGACCCCTATGAAGTGTCTACAGAATTGGAGAGGATGGCTCC
ATCTGTGTGCTGTATGAAGCCTCACCAGCAGGAGGTAGCACTCAAACAGCACCAACGTG
CAAATGGTAGACAGCCGAATCAGCTGTAAGGAGGAACTTCTCTTGGGCAGAACGAGCCCT
TCCAAAACTACAATATGATGACTGTATCAGGTAA
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Clone variation with respect to NM_001731.2



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_001731 unedited ACTATTTGTATACGACTCACTCATAGGGCGGCCGGAATTCGCACGAGGGGCAAATGCAG CTATTGAGATCTTGAATGCTGCGGAGCTGGAGGCGGAGGCAGCTGGGGAGGTCCGAGCG ATGTGACCAGGCCCATCGCTCGTCTTCTCTCTCTCTGCGCCTCTGTCTCGAAAA TAACTTTTTGTCTAAAGAAAGAAAGACAAAAGTAGTCGTCGCCCTCACGCCCTCTC TTCTCTCAGCCTTCCGCCCGGTGAGGAAGCCCGGGTGGCTGCTCCGCCGTGGGGCCG CGCCGCCGAGCCCAAGCCGCCCCGGGCCGCCCGCACGCGCCCATGCATCCCTTCT ACACCCGGGCCCGCACCATGATAGGCGAGATCGCCGCGCGGTGTCCTTATCTCCAAGT TTCTCCGCACCAAGGGGCTCACGAGCGAGCGACGCTGCAGACCTTACGCCAGAGCTGC AGGAGCTGCTGGCAGAACATTATAAACATCACTGGTTCCAGAAAAGCCATGCAAGGGAT CGGGTTACCGTTGATTTCGCATCAACCATAAAATGGATCCTCTGATTGGACAGGCAGCAC AGCGGATTGGACTGAGCAGTCAGGAGCTGTTCAAGGCTTCCCAAGTGAAGTCACTCT GGGTTGACCCCTATGAAGTGTCTACAGAATTGGAGAGGATGGTCCATCTGTGTGCTGC ATGAACCTCCCCACGGGAGGTAGCACTCAAAACAGCACCAACGTGCCAATGGTAGACA GCCGAATCAGCTGAAGAAGCCTCCCCTCTGGGNNCCCCCCTCCCCCCCCCTCCCC CTCCCCCCCCCTCCCTCCCCCTTACCTCCCCCTTTTCCCTTTCCCTCCCTCAT CCTTATTCTCTCCACATCCCTCTCCACCCCTTCTTATTCTC</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_001731 unedited CTTGGACGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTACCATTCTATCTT GTGCCAGATCTTACAGCTGTGACATGGTTTAAATTCATAATCCATCCCAAGAGGAGC CCACCCAAAGCAAAAATCAAATTTATCCATCATCATCAGATGATCCACAGACTATA TCTTAACCTGATACAGTCATCATATTGTAGTTTTTGGAACTTCTCTTGGTGCCCAAGAGA AGTTCTCTTACAGCTGATTCCGCTGTCTACCATTTGCACGTTGGTGCTTTTTGAGTG CTACCTCTGCTGGTGAGGCTTCATACAGCACACAGATGGAGCCATCCTCTCCAATTCTG TAGGACACTTCATAGGGGTCAACCCAGAGTGTGAGTTCACCTGGGAGAAGCCTGAACAGC TCCTGACTGCTCAGTCCAATCCGCTGTGCTGCCTGTCATCAGAGGATCCATTTTATGG TTGATGCGAATAACAACGGTAACCCGATCCCTTGCATGGCTTTTCTGGGAACAGTGATGT TTATAATGTTCTGCCAGCAGCTCCTGCAGGCTCTGGCTGAAGGTCTGCAGCTGTCGCTCG CTCGTGAGCCCCCTTGGTGGGAGAAACTTGGAGATGAAGGACACGGCGGGCGGATCTCG CCTATCATGGTGGCGGCCCGGGTGTAAGGGATGCATGGGGGCGCGTGGGGGGCGGC CCCGGGCGGCTGGGGCTCGGCGGCGGCCCGACGCGGAGCAGCCACCGGGCTTCT CACCGGNCGGAAGGCTGANAGAAAANAGGGCGTGAGGGGCGNACNACTTTTTGTCTTT TCTTTCTTAGACTAAAAAGTTATTTTCNANACAGGAGCNGCAGAAAGAANAACN ANCGATGGCNGNCTGGTCCATTGNTGGNACTNCCCAGTGNCGNCTCAGCTCGCANAT TGAAGACTCAAAGTGCATTCCCTCGGCC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_001731
Insert Size:	1100 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_001731.1](#), [NP_001722.1](#)

RefSeq Size: 1783 bp

RefSeq ORF: 516 bp

Locus ID: 694

UniProt ID: [P62324](#)

Cytogenetics: 12q21.33

Domains: Anti_proliferat

Protein Families: Transcription Factors

Gene Summary: This gene is a member of an anti-proliferative gene family that regulates cell growth and differentiation. Expression of this gene is highest in the G0/G1 phases of the cell cycle and downregulated when cells progressed through G1. The encoded protein interacts with several nuclear receptors, and functions as a coactivator of cell differentiation. This locus has been shown to be involved in a t(8;12)(q24;q22) chromosomal translocation in a case of B-cell chronic lymphocytic leukemia. [provided by RefSeq, Oct 2008]