

Product datasheet for **MC208203**

Btg2 (NM_007570) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Btg2 (NM_007570) Mouse Untagged Clone
Tag: Tag Free
Symbol: Btg2
Synonyms: AA959598; APRO1; Pc3; TIS21
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208203 representing NM_007570
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAGCCACGGGAAGAGAACCGACATGCTCCCGGAGATCGCCGCCCGTGGGTTTCTCTCCAGTCTCC
TGAGGACTCGGGCTGCGTGAGCGAGCAGAGACTCAAGGTTTTTCAGTAGGGCGCTCCAGGACGACTGAC
CGATCATTACAAACCACTGGTTTCCAGAAAAACCATCAAAGGTTCTGGCTATCGCTGTATCCGTATC
AACCACAAGATGGACCCATCATCAGCAAGGTGGCCAGCCAGATTGGACTCAGCCAGCCCAGCTGCACC
GGCTGCTGCCAGTGAGCTGACCCGTGGGTTGATCCCTATGAAGTGTCTTACCGCATCGGGGAGGATGG
CTCCATCTGTGTCTGTATGAGGAGGCCCGGTGGCTGCCTCCTATGGGCTCCTCACCTGCAAGAACCAG
ATGATGCTGGGCAGGAGCAGCCCTCGAAGAACTATGTGATGGCCGTCTCCAG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_007570

Insert Size: 477 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).



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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:	<ol style="list-style-type: none">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_007570.2</u> , <u>NP_031596.1</u>
RefSeq Size:	3083 bp
RefSeq ORF:	477 bp
Locus ID:	12227
UniProt ID:	<u>Q04211</u>
Cytogenetics:	1 58.1 cM
Gene Summary:	Anti-proliferative protein; the function is mediated by association with deadenylase subunits of the CCR4-NOT complex. Activates mRNA deadenylation in a CNOT6 and CNOT7-dependent manner. In vitro can inhibit deadenylase activity of CNOT7 and CNOT8. Involved in cell cycle regulation. Could be involved in the growth arrest and differentiation of the neuronal precursors. Modulates transcription regulation mediated by ESR1. Involved in mitochondrial depolarization and neurite outgrowth (By similarity).[UniProtKB/Swiss-Prot Function]