

Product datasheet for **RN211270**

Bbc3 (NM_173837) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Bbc3 (NM_173837) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Bbc3
 Synonyms: Puma
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Fully Sequenced ORF: >RN211270 representing NM_173837
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCCCCGCACGCCAGGAGGGCAGCTCTCCGGAGCCCGTAGAGGGCCTAGCCCCGCACAGCCCCGCTC
 CTTTCCCGCTCGGCCGCTGATGCCCTCCGCTGTATCCTGCGGCCCTGCGAGCCCGCCCTGCCCGTGC
 CCCTGCTGCCCTGCCTTGCTGCCGGCCGCTACCTCTGCGCCCCACCGCCCCGCTGCCGTACCGCC
 GCCCTGGGGGGCCCCGCTGGCCTGGGGTCCACGCAGCCGCCCGAGGCCCGCCCGGACGGTCTCT
 AGCCCTCGCTGTACCAGCCAGCAGCACCTAGAGTCGCCGTGCCAGGCCCGGAGGCCCTGGCGGG
 AGGCCCCACCCAAGCTGCCCCGGGAGTGCCTGTGGAGGAGGAGGAGTGGGCCCGGAGATCGGGGCCAG
 CTGCGGAGGATGGCGGACGACCTCAACGCGAGTACGAGCGCGGAGACAAGAAGAGCAACATCGACACC
 GACCCTCGCCCTGGAGGGTCAATGATAATCTCTTCATGGGACTCTCCCTTACCCAGGGATCCTGGAGC
 CCAGAAATGGAGCCCACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
 ACCN: NM_173837
 Insert Size: 582 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_173837.2](#), [NP_776209.1](#)

RefSeq Size: 1823 bp

RefSeq ORF: 582 bp

Locus ID: 317673

UniProt ID: [Q80ZG6](#)

Cytogenetics: 1q21

Gene Summary: Essential mediator of p53/TP53-dependent and p53/TP53-independent apoptosis. Functions by promoting partial unfolding of BCL2L1 and dissociation of BCL2L1 from p53/TP53 (By similarity). Essential for ER stress-induced cell death (By similarity).[UniProtKB/Swiss-Prot Function]