

Product datasheet for **SC321391**

BAT3 (BAG6) (NM_080702) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BAT3 (BAG6) (NM_080702) Human Untagged Clone
Tag:	Tag Free
Symbol:	BAT3
Synonyms:	BAG-6; BAT3; D6S52E; G3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_080702.1
 CTCCTCGGGTGCTCGGCTCCCTCCACCTAGGCCGGCCCGGCCGACTCGCCCTCAGA
 AACTCACTGTTTGGGGCTGCGGACTTTCTCGTCGTGCCACAAAAGTAAAGCTTGGGGA
 CCTGGGGGAGCCGGAAGTATCGCTTCGAGATCCCCAAATACTATCGGGGAAACGGAAGT
 GGCCGTCCGGTGGCAGAGACCTGTGCGCCATGGAGCCTAATGATAGTACCGTACCGCTGT
 GGAGGAGCTGACAGCTTGGAGGTGTTGGTGAAGACCTTGGACTCTAAACTCGTACCTT
 TATTGTGGGGGCCAGATGAATGTAAGAGTTTAAGGAGCACATTGCTGCCTCTGTCAG
 CATCCCATCTGAAAAACAACGGCTCATTACCAGGGACGAGTTCTGCAAGATGATAAGAA
 GCTTCAGGAATACAATGTTGGGGAAAGGTTATCCACCTGGTGAACGGGCTCCTCCTCA
 GACTCACCTCCCTTCTGGGGCATCTTCTGGGACGGGGTCTGCCTCAGCCACTCATGGTGG
 GGGATCCCCCCTGGTACTCGGGGGCCTGGGGCCTCTGTTTCATGACCGGAATGCCAACAG
 CTATGTCATGGTTGGAACCTTCAATCTTCTAGTGACGGCTCTGCTGTGGATGTTACAT
 CAACATGGAACAGGCCCGATTAGAGTGAGCCCCGGGTACGGCTGGTGTGGCTCAGCA
 CATGATCAGGGATATACAGACCTTACTATCCCGGATGGAGTGTGAGGAGGGCCCAACC
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 GGTCCGGCCTATGTCTCACTACACCACCCCATGGTGCTCCAGCAGGCAGCCATTCCCAT
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 TCCCAATGCAGAGGCACCTCCCCCTGGTCTGGGCAGGCCTCATCCGTGGCTCCGTCTTC
 TACCAATGTCGAGTCTCAGCTGAGGGGGCTCCCCGCCAGGTCCAGCTCCCCGCCAGC
 CACCAGCCACCCGAGGTCATCCGGATTTCCACCAGAGTGTGGAACCCGTGGTCATGAT



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GCACATGAACATTCAAGATTCTGGCACACAGCCTGGTGGTGTCCGAGTGCTCCCACTGG
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CAGATACGTTTCGACGGGTTGGTGTATCCCCCAGCCACTTCTGAGGAGCCAATGGAAGT
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TCTGAGTGATGCCTACCTCAGTGGTATGCCTGCCAAGAGACGCAAGACGATGCAGGGTGA
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CTACAGGCAGCAGCTCCGGTCTGATATACAAAAACGACTGCAGGAAGACCCCAACTACAG
TCCCCAGCGCTTCCCAATGCCAGCGGGCCTTTGCTGATGATCCTTAGCTCTTTGCTCT
ATGGCCCTTCTCATAGGGGACCGTTTTCCCCCTCTTCTTACAGTATTTAAGAAATA
AAAGTCGGATTTTTCTGGCAAAAAAAAAAAAAAAAAAAAAAAAAA
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- Restriction Sites:** Please inquire
- ACCN:** NM_080702
- 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).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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_080702.1](#), [NP_542433.1](#)

RefSeq Size: 3754 bp

RefSeq ORF: 3381 bp

Locus ID: 7917

UniProt ID: [P46379](#)

Cytogenetics: 6p21.33

Domains: UBQ

Protein Families: Druggable Genome, Stem cell - Pluripotency

Gene Summary: This gene was first characterized as part of a cluster of genes located within the human major histocompatibility complex class III region. This gene encodes a nuclear protein that is cleaved by caspase 3 and is implicated in the control of apoptosis. In addition, the protein forms a complex with E1A binding protein p300 and is required for the acetylation of p53 in response to DNA damage. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (2) differs in the 5' UTR and utilizes an alternative in-frame splice site in the 5' coding region, compared to variant 1. Variants 2, 3, and 4 encode the same isoform (b), which is 6 aa shorter than isoform a.