

Product datasheet for **SC124230**

BAT3 (BAG6) (NM_004639) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BAT3 (BAG6) (NM_004639) Human Untagged Clone
Tag:	Tag Free
Symbol:	BAT3
Synonyms:	BAG-6; BAT3; D6S52E; G3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_004639, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCCTAATGATAGTACCAGTACCGCTGTGGAGGAGCCTGACAGCTTGGAGGTGTTGGTGAAGACCT
TGGACTCTCAAACCTCGTACCTTTATTGTGGGGGCCAGATGAATGTAAAAGAGTTAAGGAGCACATTGC
TGCCTCTGTCAGCATCCCATCTGAAAAACAACGGCTCATTTACCAGGGACGAGTTCTGCAAGATGATAAG
AAGCTTCAGGAATACAATGTTGGGGAAAGGTTATCCACCTGGTGAACGGGCTCCTCCTCAGACTCACC
TCCCTTCTGGGGCATCTCTGGGACGGGTCTGCCTCAGCCACTCATGGTGGGGGATCCCCCCTGGTAC
TCGGGGGCTGGGCCTCTGTTTCATGACCGGAATGCCAACAGCTATGTCATGGTTGGAACCTTCAATCTT
CCTAGTGACGGCTCTGCTGTGGATGTTACATCAACATGGAACAGCCCCGATTGAGAGTGAGCCCCGGG
TACGGCTGGTGTGGCTCAGCACATGATCAGGGATATACAGACCTTACTATCCCGGATGGAGACTCTCCC
CTACCTTCAGTGTGAGGAGGGCCCCAACCAGCAGCAGTCCAGCCGCCCCGAGCCACCCGGCTGTGACC
CCGGAGCCAGTAGCCTTGAGCTCTCAAACATCAGAACCAGTTGAAAGTGAAGCACCTCCCCGGGAGCCCA
TGGAGGCAGAAGAAGTGGAGGAGCGTGCCCCAGCCAGAACCCGGAGCTCACTCTGGCCAGCCCCAGC
GGGCCAACACCTGCCCCGAAACAAATGCACCAACCATCTTCCCCTGCGGAGTATGTCGAGGTGCTC
CAGGAGCTACAGCGGCTGGAGAGTCCGCTCCAGCCCTTCTTGCAGCGCTACTACGAGGTTCTGGGTGCTG
CTGCCACCACGGACTACAATAACAATCACGAGGGCCGGGAGGAGGATCAGCGGTTGATCAACTTGGTAGG
GGAGAGCTGCGACTGCTGGGCAACACCTTTGTTGCACTGTCTGACCTGCGCTGCAATCTGGCCTGCACG
CCCCACGACACCTGCATGTGGTCCGGCTATGTCTCACTACACCACCCCATGGTGTCCAGCAGGCAG
CCATTCACATACAGATCAATGTGGGAACCACTGTGACCATGACAGGAAATGGGACTCGGCCCCCCCAAC
TCCCAATGCAGAGGCACCTCCCCCTGGTCTGGGCAGGCCTATCCGTGGCTCCGTCTTCTACCAATGTC
GAGTCTCAGCTGAGGGGCTCCCCGCCAGGTCCAGCTCCCCGCCAGCCACCAGCCACCCGAGGGTCA
TCCGGATTTCCACCAGAGTGTGGAACCCGTGGTCATGATGCACATGAACATTCAAGATTCTGGCACACA
GCCTGGTGGTGTCCGAGTGTCCCACTGGCCCCCTGGGACCCCTGGTCATGGCCAAACCTGGGACAG
CAGGTGCCAGGCTTCCCAACAGCTCCAACCCGGGTGGTATTGCCGGCCACTCCTCCACAGGCTCGGC
CTTCCATCCTGGAGGGCCCCAGTCTCTGGGACTGCAGGGCGCCGGTCTGGGTACCAATGCCTCGTT

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GGCCAGATGGTGAAGCGCCTTGTGGGGCAGCTTCTTATGCAGCCAGTCCTTGTGGCTCAGGGGACCCCA
GGTATGGCTCCACCGCCAGCCCTGCCACTGCTTCTGCCAGTGTGGCACCACCAACACAGCTACCACAG
CTGGCCCCGCTCCTGGGGGGCCTGCCAGCCTCCACCCACCCCTCAACCCCTCCATGGCTGATCTTCAGTT
CTCTCAGTCTCTGGGGAACCTGCTAGGGCCTGCAGGGCCAGGGGCTGGAGGGTCTGGTGTGGCTTCTCC
ACCATCACTGTGGCGATGCTGGTGTCCCTGCCTTCTCCAAGGCATGACTGACTTCTTGACGGCAACAC
AGACAGCCCTCCACACCCACCTCCTCCACCCACCCACCTGCCCCAGAGCAGCAGACCATGCCCC
ACCAGGCTCCCTTCTGGTGGCGCAGGGAGTCTGGAGGCTGGGTCTTGAGAGCCTGTACCCGGAGTTT
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TCAGGGAGCAGAAAGAGCTTCCCTGAGCCTCAGCGGGAGAATGCTTCCCAGCCCTGGAACAACAGCA
GAAGAGGCCATGTCCCGAGGTCCACCTCCTGCTCCTGAGGGGGCTCCCGGGATGAACAGGATGGAGCTT
CAGCTGAGACAGAACCTTGGGCAGCTGCAGTCCCCCAGAATGGGTCCCTATTATCCAGCAGGACATTCA
GAGCCAGCGGAAGGTGAAACCGCAGCCCTCTGAGTGTGCTACCTCAGTGGTATGCCTGCCAAGAGA
CGCAAGACGATGCAGGGTGAAGCCCGCAGCCCTCTGAGTGTGCTACCTCAGTGGTATGCCTGCCAAGAGA
CCGGAGCTCGGCCCTGACGAGCCCGAGAGCCTGAGCCGGGACCTGGAGGCACCAAGAGTTCAAGGAG
CTACAGGCAGCAGCTCCGGTCTGATATACAAAAACGACTGCAGGAAGACCCCAACTACAGTCCCCAGCGC
TCCCCAATGCCAGCGGCCTTTGCTGATGATCCTTAG
    
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_004639 unedited
GGGGCGCGCCGCCCAACACAACCTTCCAATNNGTTTTTACCCCGCCCGATGCCG
CATTGGGCGGTAGGCGTGTCCGGTGGNGAGTCTATATAAGCAGTACTCATTTAGGTGACA
CTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGGAATTCGGCACGAGGAGCTA
GCAGAGACCTGTGCGCCATGGAGCCTAATGATAGTACCAGTACCCTGTGGAGGAGCCTG
ACAGCTTGGAGGTGTTGGTGAAGACCTTGGACTCTCAAACCTCGTACCTTTATTGTGGGG
CCCAGATGAATGTAAAAGAGTTTAAAGGAGCACATTGCTGCCTCTGTGAGCATCCCATCTG
AAAAACAACGGCTCATTTACCAGGGACGAGTTCTGCAAGATGATAAGAAGCTTCAGGAAT
ACAATGTTGGGGAAAGTTATCCACCTGGTGAACGGGCTCCTCCTCAGACTCACCTCC
CTTCTGGGGCATCTTCTGGGACGGGTCTGCCTCAGCCACTCATGGTGGGGGATCCCCC
CTGGTACTCGGGGCCTGGGGCCTCTGTTTCATGACCGGAATGCCAACAGCTATGTCATGG
TTGGAACCTTCAATCTTCTAGTGACGGCTCTGCTGTGGATGTTACATCAACATGGAAC
AGGCCCGGATTACAGAGTGAAGCCCGGTACGGCTGGTGTGGCTCAGCACATGATCAGGG
ATATACAGACCCTACTATCCCGGATGGAGTGTGAGGAGGGCCCCAACCCGAGCAGATC
AGCCGTCCCCGAGCCACCGGCTGTGACCCCGAGCCGTAGCCTTGAGCTCTCAACATCA
GACCAGTTGGAAGTGAACACCTCCCCGGGACCCATGGAGGCAAGAGTGGAGGAACGGCC
CCAGCCAAACCCGG
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_004639 unedited NNGGAAATACTATGTACCGCGCCGCTTTCTANATCGAGTTTTTTTTTTTTTTTTTTTGCCA GAAAAATCCGACTTTTATTTCTTAAATACTGTGAAGGAAGAGGGGGGAAACGGTCCCCTG ATGAGGAAGGGCCATAGAGCAAAGAGCTAAGGATCATCAGCAAAGGCCGCTGGGCATTG GGGAAGCGCTGGGACTGTAGTTGGGGTCTTCTGCAGTCGTTTTTGTATATCAGACCGG AGCTGCTGCCTGTAGCTCTCTGAACCTCTGGTGCCTCCAGGTCGCCGCTCAGGCTCTCG GGGCTCGTCAGGGGCCGAGCTCCGGCTGCCTTAGCTGCCCGCTCACAGCCTCTGAGAGA AGCAGCTGGGGCCCTCACCTGCATCGTCTTGGTCTCTTGGCAGGCATACCACTGAGG TAGGCATCACTCAGAGGGGGCTGCGGTTTACCTTCCGCTGGCTCTGAATGTCCTGCTGG ATAATAGGGACCCATTCTGGGGGACTGCAGCTGCCAAGGTTCTGTCTCAGCTGAAGCT CCATCCTGTTTATCCCGGAGCCCCCTCAAGAGCACGAGGTGGACCTCGGGACATGGCC TCTTCTGCTGTTTCCAAGGGCTGGTGAAGCATTCTCCCGCAGGCTCAAGGGAAGCT CTTTCTGCTCCCTGAACCTCCATTGGCTCCTCAAGAAGAGGCTGGGGGGGATACCAACC CTGCGAACGTATCTGAGAATGGGATCAGGGCCTACAAGCATGTGCTCCAATACCACCTGA AGCCTCATTCCATCATATATGGCAGCCCCCTTACCCAGGAGGGATGTCCCCCCGAGAAT ACCAAGAAATTGGGCTTGATAACACCCCCAC
Restriction Sites:	NotI-NotI
ACCN:	NM_004639
Insert Size:	4000 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:	<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:	NM_004639.2 , NP_004630.2
RefSeq Size:	3773 bp
RefSeq ORF:	3399 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 (1) represents the longest transcript and encodes the longer isoform (a).