

## Product datasheet for **RG235158**

### **BAT3 (BAG6) (NM\_001199698) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BAT3 (BAG6) (NM_001199698) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BAG6
Synonyms:	BAG-6; BAT3; D6S52E; G3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG235158 representing NM_001199698 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCCTAATGATAGTACCAGTACCGCTGTGGAGGAGCCTGACAGCTTGGAGGTGTTGGTGAAGACCT  
TGGACTCTCAAACCTCGTACCTTTATTGTGGGGGCCAGATGAATGTAAGAGATTTAAGGAGCACATTGC  
TGCCTCTGTCAGCATCCCATCTGAAAAACAACGGCTCATTTACCAGGGACGAGTTCTGCAAGATGATAAG  
AAGCTTCAGGAATACAATGTTGGGGAAAGTTATCCACCTGGTGAACGGGCTCCTCCTCAGACTCACC  
TCCCTTCTGGGGCATCTTCTGGGACGGGTCTGCCTCAGCCACTCATGGTGGGGATCCCCCCTGGTAC  
TCGGGGGCTGGGCCTCTGTTTCATGACCGGAATGCCAACAGCTATGTCATGGTTGGAACCTTCAATCTT  
CCTAGTGACGGCTCTGCTGTGGATGTTACATCAACATGGAACAGGCCCGGATTGAGAGTGGACCCCGG  
TACGGCTGGTGATGGCTCAGCACATGATCAGGGATATACAGACCTTACTATCCCGGATGGAGTGTGAGG  
AGGGCCCCAACCGCAGCACAGTACAGCCGCCCGCAGCCACCGGCTGTGACCCCGGAGCCAGTAGCCTTG  
AGCTCTCAAACATCAGAACCAGTTGAAAGTGAAGCACCTCCCCGGGAGCCATGGAGGCAGAAGAAGTGG  
AGGAGCGTGGCCAGCCAGAACCCGGAGCTCACTCCTGGCCAGCCCCAGCGGGCCCAACCTGCCCC  
GGAAACAATGCACCAACCATCCTTCCCTGCGGAGTATGTCGAGGTGCTCCAGGAGCTACAGCGGCTG  
GAGAGTCGCTCCAGCCCTTCTGACGCGTACTACGAGGTTCTGGGTGCTGCTGCCACCAGGACTACA  
ATAACAATCACGAGGGCCGGGAGGAGGATCAGCGGTTGATCAACTTGGTAGGGGAGAGCCTGCGACTGCT  
GGCAACACCTTTGTTGCACTGTCTGACCTGCGTGAATCTGGCCTGCACGCCCCACGACACCTGCAT  
GTGGTCCGGCCTATGTCTCACTACACCACCCCATGGTGTCCAGCAGGCAGCCATCCCATACAGATCA  
ATGTGGGAACCACTGTGACCATGACAGGAAATGGGACTCGGCCCCCAACTCCCAATGCAGAGGCACC  
TCCCCCTGGTCTGGCAGGCCTCATCCGTGGTCCGTCTTCTACCAATGTCGAGTCTCAGCTGAGGGG  
GCTCCCCGCCAGGTCCAGTCCCCGCCAGCCACCAGCCACCCGAGGTCATCCGGATTTCCACCAGA  
GTGTGAAACCCGTGGTTCATGATGCACATGAACATTCAAGATTCTGGCACACAGCCTGGTGGTGTCCGAG  
TGCTCCACTGGCCCCCTGGGACCCCTGGTTCATGGCAAACCTGGGACAGCAGGTGCCAGGCTCCCA



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ACAGCTCCAACCCGGGTGGTATTGCCCGGCCACTCCTCCACAGGCTCGGCCTTCCCATCCTGGAGGGC  
 CCCAGTCTCTGGGACTGCAGGGCGCCGGTCTGGGTACCAATGCCTCGTTGGCCAGATGGTGAGCGG  
 CCTTGTGGGGCAGCTTCTTATGCAGCCAGTCTTGTGGCTCAGGGGACCCAGGTATGGCTCCACCGCCA  
 GCCCTGCCACTGCTTCTGCCAGTGTGGCACCACCAACACAGCTACCACAGCTGGCCCCGCTCTGGGG  
 GGCTGCCAGCCTCCACCCACCCTCAACCCTCCATGGTGTATCTTCACTTCTCAGCTTCTGGGGAA  
 CCTGTAGGGCTGCAGGGCCAGGGCTGGAGGGTCTGGTGTGGCTTCTCCACCACACTGTGGCGATG  
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 CCCACCTCTCCACCCACCCTGCCAGAGCAGACCATGCCCCACCAGGCTCCCCTTCTGG  
 TGGCGCAGGGAGTCTGGAGGCCTGGGTCTTGGAGCCTGTACCAGGAGTTTTTACCTCAGTGGTGCAG  
 GGTGTGCTCAGCTCCCTGCTGGGCTCCCTGGGGCTCGGGCTGGCAGCAGTAAAAGTATTGCTGCCTTCA  
 TACAACGCCTCAGTGGATCCAGCAACATCTTGGAGCTGGAGCTGATGGGGCCCTGGATTCTTGGGGC  
 CTTGCTTCTCTTGTGCCAGAACTTCTATGGTGGACGTAGTGTGCTTCTCCATGGGCATTTCCAG  
 CCACTACAACGGCTCCAGCCCAGCTGCGATCTTCTCCACCAGCACTACCTGGTGGTCAAGAGCCCA  
 CACCCAGTAACATCCGGATGGCAACCCACACATTGATCACGGGGCTAGAAGAGTATGTGCGGGAGAGTTT  
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 AATAGCATTGCTGCGCATGTGCTGCATTGCACAGATAGTGGATTTGGGGCCCGGTGCTGGAGTTGTGTA  
 ACCAAGGCCTGTTTGAATGCCTGGCCCTAACCTGCACCTGCTTGGGGGACAGCAGATGGAGCTTGTCTGC  
 TGTATCAATGGCCGAATTCGTGATGTCTCGTGGGTGAATCCCTCCTTGGTGGAGCTGGCTGACCACT  
 ATGATGGGACTGAGGCTTCAAGTGGTACTGGAGCAGATGCCTGTAGGCCCTGATGCCATTCTCAGATACG  
 TTCGACGGGTGGTATCCCCCAGCCACTTCTGAGGAGCCAATGGAAGTTTCAAGGAGCAGAAAGAGC  
 TTCCTGAGCCTCAGCGGGAGAATGCTTCCCCAGCCCTGGAACAACAGCAGAAGAGGCCATGTCCCGA  
 GGTCCACCTCTGCTCCTGAGGGGGCTCCCGGATGAACAGGATGGAGCTTCACTGAGACAGAACCTT  
 GGGCAGTGCAGTCCCCCAGAATGGGTCCCTATTATCCAGCAGGACATTCAGAGCCAGCGGAAGGTGAA  
 ACCGCAGCCCTCTGAGTGTGCTACCTACCTCAGTGGTATGCCTGCCAAGAGACGCAAGCTCCGGTCTGAT  
 ATACAAAACGACTGCAGGAAGACCCCACTACAGTCCCAGCGCTTCCCAATGCCAGCGGGCCTTTG  
 CTGATGATCCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>RG235158 representing NM\_001199698

Red=Cloning site Green=Tags(s)

MEPNDSTSTAVEEPDSLEVLVKTLDSQTRTFIVGAQMNVEKFEKHEIAASVSIPEKQRLIYQGRVLQDDK  
 KLQEQYVNGGKVIHLVERAPPQTHLPSGASSGTGSASATHGGSPGTRGPGASVHNRNANSYVMVGTFLN  
 PSDGSAVDVHINMEQAPIQSEPRVRLVMAQHMRDIQTLLSRMECRGGPQPHSQPPPQPPAVTPEPVAL  
 SSQTSEPVSEAPPREPMEAEVEERAPAQNPETPGPAPAGPTPAPETNAPNHPSPAAYVEVLQELQRL  
 ESRLQPFQRYVEVLGAAATTDYNNHHEGREEDQRLINLVGESLRLGNTFVALSDLRCNLACTPPRHLH  
 VVRPMSHYTTPMVLQAAIPIQINVGTTVTMTGNGTRPPPTPNAEAPPPGPGQASSVAPSSTNVSSAEG  
 APPPGPAPPATSHPRVIRISHQVVEPVMMHNIQDSGTQPGGVPASPTGPLGPPGHGQTLGQQVPGFP  
 TAPTRVVIARPTPPQARPSHPGGPPVSGTLQAGLGTNASLAQMVSLVGLLQMLMPPVLAQGTGPMAPP  
 APATASASAGTTNTATTAGPAPGGPAQPPPTPQPSMADLQFSQLLGNLLGPAGPGAGGSGVASPTITVAM  
 PGVPAFLQGMDFLQATQATAPPPPPPPPPPPAPEQQTMPGSPSGGAGSPGGLGLESLSPEFFTSVVQ  
 GVLSSLLGSLGARAGSSESIAAFIQRLSGSSNIFEPGADGALGFFGALLSLLCQNFMSVDVVMLLHGHFQ  
 PLQRLQPLQRFHFQHYLGGQEPTPSNIRMATHLITGLEEYVRESFSLVQVQPGVDIIRTNLEFLQEQL  
 NSIAAHVHLHCTDSGFGARLLELCNQGLFECLALNLHCLGGQMELAAVINGRIRMSRGVNPVSLVSWLTT  
 MMGLRLQVLEHMPVGPDAILRYVRRVGDPPQLPEEPMEVQGAERASPEPQRENASAPGTTAEEMSR  
 GPPPAPEGGSRDEQDGASAEETPWAAAAPPPEWPIIQDQIQSQRKVKPQPPLSDAYLSGMPAKRRKLRSD  
 IQKRLQEDPNYSPQRFPAQRAFADDP

TRTRPLE – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI



<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001199698.1, NP_001186627.1</u>
<b>RefSeq Size:</b>	3643 bp
<b>RefSeq ORF:</b>	3234 bp
<b>Locus ID:</b>	7917
<b>UniProt ID:</b>	<u>P46379</u>
<b>Cytogenetics:</b>	6p21.33
<b>Protein Families:</b>	Druggable Genome, Stem cell - Pluripotency
<b>Gene Summary:</b>	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]