

Product datasheet for **RG235010**

BAT3 (BAG6) (NM_001199697) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BAT3 (BAG6) (NM_001199697) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BAT3
Synonyms:	BAG-6; BAT3; D6S52E; G3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG235010 representing NM_001199697
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCCTAATGATAGTACCAGTACCCTGTGGAGGAGCCTGACAGCTTGGAGGTGTTGGTGAAGACCT
 TGGACTCTCAAACCTCGTACCTTTATTGTGGGGGCCAGATGAATGTAAAAGAGTTTAAGGAGCACATTGC
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 AAGCTTCAGGAATAAATGTTGGGGGAAAGTTATCCACCTGGTGAACGGGCTCCTCCTCAGACTCACC
 TCCCTTCTGGGGCATCTTCTGGGACGGGTCTGCCTCAGCCACTCATGGTGGGGGATCCCCCTGGTAC
 TCGGGGGCTGGGGCTCTGTTTCATGACCGAATGCCAACAGCTATGTCATGGTTGGAACCTTCAATCTT
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 AGGGCCCCAACCGCAGCAGCTCAGCCGCCCGCAGCCACCGGCTGTGACCCCGGAGCCAGTAGCCTTG
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 GTGGTATGCTGCCAAGAGACGCAAGCTCCGGTCTGATATACAAAACGACTGCAGGAAGACCCCAACTA
 CAGTCCCCAGCGCTTCCCAATGCCAGCGGGCCTTTGCTGATGATCCT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – **GTTTAA**

Protein Sequence: >RG235010 representing NM_001199697
 Red=Cloning site Green=Tags(s)

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MEPNSTSTAVEEPDSLEVLVKTLDSQTRTFIVGAQMNVKEFKEHIAASVSIPISEKQRLIYQGRVLQDDK
KLQEYNVGGKVIHLVERAPPQTHLPSGASSGTGSASATHGGGSPPGTRPGASVHDRNANSYVMVGTFNL
PSDGSADVHINMEQAPIQSEPRVRLVMAQHMRDIQTLLSRMECRGGPQPQHSQPPPQPAVTPPEPVAL
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TAPTRVVIARPTPPQARPSHPGGPPVSGTLGAGLGTNASLAQMVSGLVGQLLMPVLAQGTGPGSPGGLG
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SMVDVVMLLHGHPQLRQLRQPLRSFFHQHYLGGQEP TSNIRMATHTLITGLEEYVRESFSLVQVQPGV
DIIRTNLEFLQEQFNIAAHVLHCTDSGFGARLLELCNQGLFECLALNLHCLGGQOMELAAVINGRIRRM
SRGVNPSLVSWLTTMGLRLQVLEHMPVGPDAILRYVRRVGDPPQPLPEEPMVQGAERASPEPQEWVP
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TRTRPLE - GFP Tag - V

Restriction Sites:

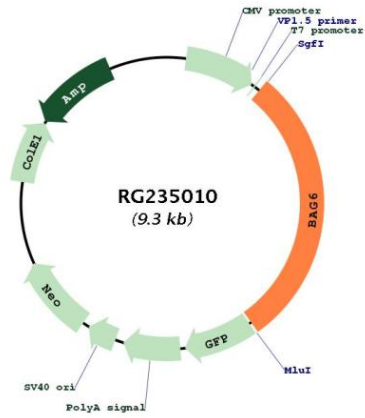
SgfI-MluI

Cloning Scheme:



ACCN:	NM_001199697
ORF Size:	2709 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001199697.1 , NP_001186626.1
RefSeq Size:	3121 bp
RefSeq ORF:	2712 bp
Locus ID:	7917
UniProt ID:	P46379
Cytogenetics:	6p21.33
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]

Product images:



Circular map for RG235010