

Product datasheet for **RG233858**

BAT4 (GPANK1) (NM_001199238) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	BAT4
Synonyms:	ANKRD59; BAT4; D6S54E; G5; GPATCH10
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG233858 representing NM_001199238
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCCGGCCCTTGCTCATCACCTTCACCCAGCCACTGACCCAGCGACCTCTGGAAGGATGGGCAGC
AGCAGCCACAGCCGAGAAGCCAGAGTCCACCCTGGATGGGGCTGCAGCCGAGCTTTCTATGAGGCCCT
GATTGGGGATGAGAGCAGCGCTCTGACTCCAGAGATCTCAGACTGAACCTGCCAGAGAAAGAAAGAGA
AAGAAAAGAAGAATAATGAAGGCACCAGCAGCAGAAGCAGTGGCAGAAGGAGCATCAGGAAGACATGGAC
AAGGGAGATCCCTTGAGGCTGAGGATAAGATGACTCACCGGATACTGAGGGCAGCCAGGAGGGGACCT
GCCAGAACTTAGGAGACTGCTGGAACCGCATGAGGCAGGAGGAGCTGGGGGAATATCAACGCCCGGGAT
GCCTTCTGGTGGACCCCACTGATGTGTGCTGCTCGAGCGGGCCAGGGGCGAGCTGTGAGCTATCTCCTGG
GCCGTGGGGCTGCCTGGTGGGGTCTGTGAGCTGAGTGGCAGGGATGCGGCTCAGCTCGCTGAAGAAGC
TGGCTTCCCTGAGGTAGCCCGCATGGTCAGGGAGAGCCATGGAGAGACAAGGAGCCCGGAAACCGGTCT
CCTACTCCCTCCCTCCAGTACTGCGAGAACTGTGACACCCACTTCCAAGATTCCAACACCGCACATCCA
CTGCTCACCTGCTGCTACTGTGCGAGGGTCTCAGCCTCCCAACCTTCCACTTGGGGTGCCATCTCCAG
CCCGGGCTTCAAAGTCTGCTGAGGGGGGCTGGGAGCCAGGAATGGGGCTGGGACCCCGGGGTGAGGGC
CGTGCCAATCCCATCCCACTGTCTCAAGAGGGACCAAGGAAGGACTAGGCTACAGATCAGCACCCACAGC
CCCGAGTGACACATTTCCAGCTTGGGATACCCGAGCTGTGGCTGGGAGGGAGAGACCCCTCGGGTGCC
CACACTGAGCTGGAGGGAGGAGAGAAGGAGGGAGGAGAAAGACAGGGCTTGGGAGCGGGATCTAAGGACT
TACATGAACCTCGAGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



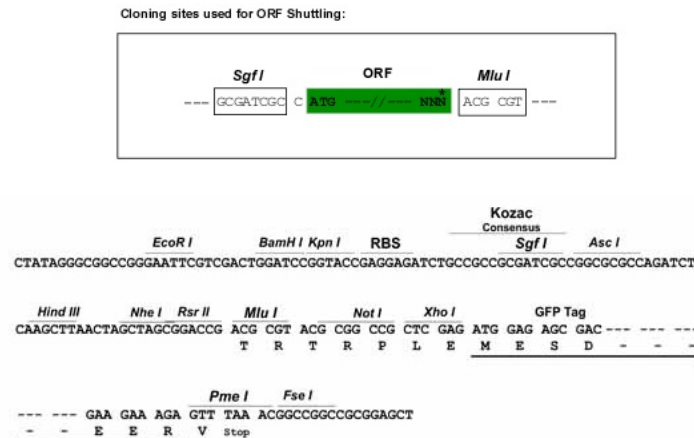
Protein Sequence: >RG233858 representing NM_001199238
 Red=Cloning site Green=Tags(s)

MSRPLLITFTPATDPSDLWKDGQQQPQPEKPESTLDGAAARAFYEALIGDESSAPDSQRSQTPEPARERKR
 KKRRIMKAPAAEAVAEGASGRHGQGRSLEAEDKMTHRILRAAQEGDLPRLRLLPHEAGGAGGNINARD
 AFWWTPLMCAARAGQGAASVYLLGRGAWVGVCESGRDAAQLAEEAGFPEVARMVRESHGETRSPENRS
 PTPSLQYCENDTHFQDSNHRSTAHLLSLSQGPQPNLPLGVPISSPGFKLLLRGGWEPGMGLGPRGEG
 RANPIPTVLKRDQEGLYRSAPQPRVTHFPAWDTRAVAGRERPPRVATLSWREERRREEKDRAWERDLRT
 YMNLEF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001199238

ORF Size: 1068 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001199238.1](#), [NP_001186167.1](#)

RefSeq Size: 2662 bp

RefSeq ORF: 1071 bp

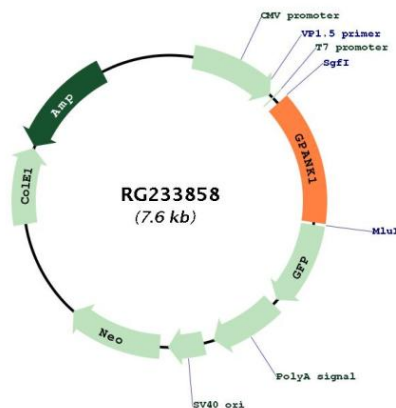
Locus ID: 7918

UniProt ID: [O95872](#)

Cytogenetics: 6p21.33

Gene Summary: This gene is located in a cluster of HLA-B-associated transcripts, which is included in the human major histocompatibility complex III region. This gene encodes a protein which is thought to play a role in immunity. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq, Nov 2010]

Product images:



Circular map for RG233858