

Product datasheet for **RG201161**

BAT4 (GPANK1) (NM_033177) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BAT4 (GPANK1) (NM_033177) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BAT4
Synonyms:	ANKRD59; BAT4; D6S54E; G5; GPATCH10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201161 representing NM_033177 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTCCGGCCCTTGCTCATCACCTTCACCCAGCCACTGACCCAGCGACCTCTGGAAGGATGGGCAGC
AGCAGCCACAGCCCGAGAAGCCAGAGTCCACCCTGGATGGGGCTGCAGCCCGAGCTTTCTATGAGGCCCT
GATTGGGGATGAGAGCAGCGCTCCTGACTCCAGAGATCTCAGACTGAACCTGCCAGAGAAAGAAAGAGA
AAGAAAAGAAGAATAATGAAGGCACCAGCAGCAGAAGCAGTGGCAGAAGGAGCATCAGGAAGACATGGAC
AAGGGAGATCCCTTGAGGCTGAGGATAAGATGACTCACCGGATACTGAGGGCAGCCAGGAGGGGGACCT
GCCAGAACTTAGGAGACTGCTGGAACCGCATGAGGCAGGAGGAGCTGGGGGAATATCAACGCCCGGGAT
GCCTTCTGGTGGACCCCACTGATGTGTGCTGCTCGAGCGGGCCAGGGGGCAGCTGTGAGCTATCTCTGG
GCCGTGGGGCTGCCTGGGTGGGGTCTGTGAGCTGAGTGGCAGGGATGCGGCTCAGCTCGCTGAAGAAGC
TGGCTTCCCTGAGGTAGCCCGCATGGTCAGGGAGAGCCATGGAGAGACAAGGAGCCCGGAAAACCGGTCT
CCTACTCCCTCCCTCCAGTACTGCGAGAAGTGTGACACCACTTCCAAGATTCACACCCGACATCCA
CTGCTCACCTGCTGCTGCTGTCAGGGTCTCAGCCTCCCAACCTTCCACTTGGGGTGGCCATCTCCAG
CCCGGGCTTCAAAGTCTGCTGAGGGGGGGCTGGGAGCCAGGAATGGGGCTGGGACCCCGGGGTGAGGGC
CGTGCCAATCCCATCCCACTGTCTCAAGAGGGACCAGGAAGGACTAGGCTACAGATCAGCACCCAGC
CCCGAGTGACACATTTCCAGCTTGGGATACCCGAGCTGTGGCTGGGAGGGAGAGACCCCTCGGGTGGC
CACACTGAGCTGGAGGGAGGAGAGAAGGAGGGAGGAGAAAGACAGGGCTTGGGAGCGGGATCTAAGGACT
TACATGAACCTCGAGTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201161 representing NM_033177
 Red=Cloning site Green=Tags(s)

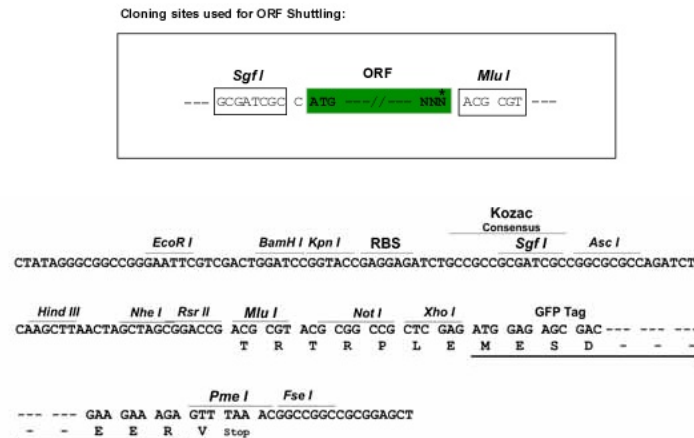
MSRPLLITFTPATDPSDLWKDGQQPQPEKPESTLDGAAARAFYEALIGDESSAPDSQRSQTTEPARERKR
 KKRRIMKAPAAEAVAEGASGRHGQGRSLEAEDKMTTHRILRAAQEGDLPELRLLLEPHEAGGAGGNINARD
 AFWWTPLMCAARAGQGAASVSYLLGRGAWVGVCESGRDAAQLAEAGFPEVARMVRESHGGETRSPENRS
 PTPSLQYCENCDFHSDSNHRTSTAHL LSLSQGPQPPNPLGVPISSPGFKLLLRGGWEPGMGLGPRGEG
 RANPIPTVLKRDQEGLYRSAPQPRVTHFPWDTRAVAGRERPPRVATLSWREERRREEKDRAWERDLRT
 YMNLEF

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_033177

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.

RefSeq: [NM_033177.4](#)

RefSeq Size: 2769 bp

RefSeq ORF: 1071 bp

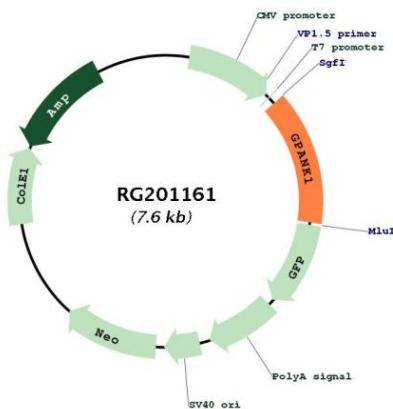
Locus ID: 7918

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 RG201161