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Product datasheet for RC233859

BAT4 (GPANK1) (NM_001199239) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BAT4 (GPANK1) (NM_001199239) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BAT4
Synonyms:	ANKRD59; BAT4; D6S54E; G5; GPATCH10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC233859 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCCGGCCCTTGCTCATCACCTTCACCCCAGCCACTGACCCCAGCGACCTCTGGAAGGATGGGCAGC
AGCAGCCACAGCCCGAGAAGCCAGAGTCCACCCTGGATGGGGCTGCAGCCCGAGCTTTCTATGAGGCCCT
GATTGGGGATGAGAGCAGCGCTCCTGACTCCCAGAGATCTCAGACTGAACCTGCCAGAGAAAGAAAGAGA
AAGAAAAGAAGAATAATGAAGGCACCAGCAGCAGAAGCAGTGGCAGAAGGAGCATCAGGAAGACATGGAC
AAGGGAGATCCCTTGAGGCTGAGGATAAGATGACTCACCGGATACTGAGGGCAGCCCAGGAGGGGGACCT
GCCAGAACTTAGGAGACTGCTGGAACCGCATGAGGCAGGAGGAGCTGGGGGGAATATCAACGCCCGGGAT
GCCTTCTGGTGGACCCCACTGATGTGTGCTGCTCGAGCGGGCCAGGGGGCAGCTGTGAGCTATCTCCTGG
GCCGTGGGGCTGCCTGGGTGGGGGTCTGTGAGCTGAGTGGCAGGGATGCGGCTCAGCTCGCTGAAGAAGC
TGGCTTCCCTGAGGTAGCCCGCATGGTCAGGGAGAGCCATGGAGAGACAAGGAGCCCGGAAAACCGGTCT
CCTACTCCCTCCCTCCAGTACTGCGAGAACTGTGACACCCACTTCCAAGATTCCAACCACCGCACATCCA
CTGCTCACCTGCTGTCACTGTCGCAGGGTCCTCAGCCTCCCAACCTTCCACTTGGGGTGCCCATCTCCAG
CCCGGGCTTCAAACTGCTGCTGAGGGGGGGCTGGGAGCCAGGAATGGGGCTGGGACCCCGGGGTGAGGGC
CGTGCCAATCCCATCCCCACTGTCCTCAAGAGGGACCAGGAAGGACTAGGCTACAGATCAGCACCCCAGC
CCCGAGTGACACATTTCCCAGCTTGGGATACCCGAGCTGTGGCTGGGAGGGAGAGACCCCCTCGGGTGGC
CACACTGAGCTGGAGGGAGGAGAGAAGGAGGGAGGAGAAAGACAGGGCTTGGGAGCGGGATCTAAGGACT
TACATGAACCTCGAGTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RC233859 protein sequence
Red=Cloning site Green=Tags(s)

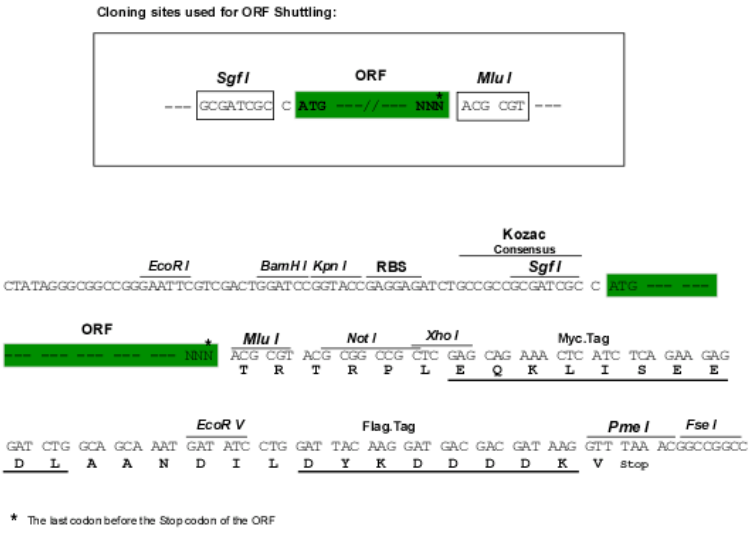
MSRPLLITFTPATDPSDLWKDGQQQPQPEKPESTLDGAAARAFYEALIGDESSAPDSQRSQTEPARERKR
KKRRIMKAPAAEAVAEGASGRHGQGRSLEAEDKMTHRILRAAQEGDLPELRRLLEPHEAGGAGGNINARD
AFWWTPLMCAARAGQGAAVSYLLGRGAAWVGVCELSGRDAAQLAEEAGFPEVARMVRESHGETRSPENRS
PTPSLQYCENCDTHFQDSNHRTSTAHLLSLSQGPQPPNLPLGVPISSPGFKLLLRGGWEPGMGLGPRGEG
RANPIPTVLKRDQEGLGYRSAPQPRVTHFPAWDTRAVAGRERPPRVATLSWREERRREEKDRAWERDLRT
YMNLEF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6409_b11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001199239

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_001199239.1, NP_001186168.1

RefSeq Size: 2659 bp

RefSeq ORF: 1071 bp

Locus ID: 7918

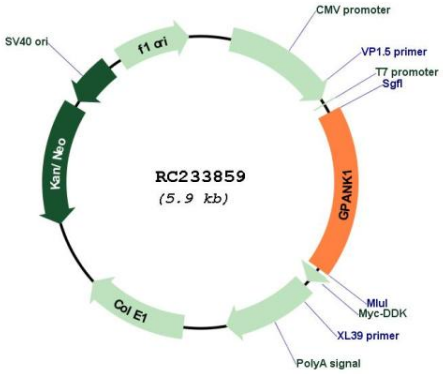
UniProt ID: O95872

Cytogenetics: 6p21.33

MW: 39.3 kDa

Gene Summary: This gene is located in a cluster of HLA-B-associated transcripts, which is included in the human major histocompatability 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 RC233859