

Product datasheet for **RC205122**

BAT5 (ABHD16A) (NM_021160) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BAT5 (ABHD16A) (NM_021160) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	BAT5
Synonyms:	BAT5; D6S82E; hBAT5; NG26; PP199
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC205122 representing NM_021160
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGAAGCTGCTGAGCTGCGTCTAGGCCCCGGCTCTACAAAATCTACGGGAGAGGGACTCTGAAA
 GGGCCCCGGCCAGCGTCCCTGAGACGCCAACGGCAGTCACTGCCCCATTCCAGCTCCTGGGATACGTA
 CTATCAGCCCCGTGCCCTGGAGAAACATGCTGACAGCATCTGGCACTGGCTTCACTATTCTGGTCCATC
 TCTTATTACTCTCTCCCTTCGCTTCTTCTACTTGTACAGGAAAGTTACTTGAGTTTGTCCAAAGTGG
 TGCCGTTTTCTCACTATGCTGGGACATTGCTGCTACTTCTGGCAGGTGTGGCTGCCTCCGAGGCATTGG
 CCGCTGGACCAACCCCCAGTACCGGCAGTTCATCACCATCTTGAAGCAACACATCGGAACCAGTCTTCA
 GAAAACAAGAGGCAGCTTGCCAACTACAACCTTACTTCCGGAGCTGGCCAGTCCGACTTCCACTGGGAAG
 AACCCAGCAGCCGAAGGAGTCTCGAGGGGGCCCTTCCCGCCGGGTGTGGCCCTGCTTCGCCCAGAGCC
 CCTGCACCGGGGACAGCAGACCCCTCCTCAACCGGGTAAAGAAGCTGCCTTGTAGATCACCAGCTAC
 CTGGTGGCGCACACCCTAGGGCGCCGGATGCTGTATCCAGGCTCTGTGTACCTGTGCAGAAAGCCCTCA
 TGCTGTGCTGCTGCAGGGCCAGGCCCGACTGGTGAAGAGTGTAAATGGGCGCCGGGCAAAGCTGTGGC
 CTGTGATGGCAATGAGATTGACACCATGTTTGTGGACCGGGGGGACAGCTGAGCCCCAGGGACAGAAG
 CTGGTGTCTGCTGTGAGGGGAATGCTGGGTTTTATGAGTGGGCTGCGTCTCCACGCCCTGGAAGCTG
 GATTTCACTCTGGGCTGGAATCATCCAGGCTTTGCTGGAAGCACGGGGGTGCCATTCGCCGAGAATGA
 GGCTAATGCCATGGATGTGGTGGTCCAGTTTGCATCCACCGCTAGGCTTCCAGCCCCAGGACATCATC
 ATCTACGCCTGGTCCATCGCGGCTTCACTGCCACGTGGGAGCCATGCTCCTACCCAGATGTTAGTGCCA
 TGACTCTGGATGCCTCCTTTGATGACCTGGTGCCTTGGCCTTGAAGGTGATGCCAGACAGCTGGAGGGG
 CCTGGTGACCAAGACCGTGAGGCAGCATCTCAATCTAAACAACCGGGAGCAGCTGTGCAGATACCGGGT
 CCTGTACTGCTGATCCGAGAACCAAGGATGAGATCATCACACCACGGTTCCTGAGGACATCATGTCCA
 ACCGAGGCAATGACCTCCTGCTGAAGCTCCTGCAGCATCGGTATCCCGGGTGTGGCAGAGGAGGGTCT
 TCGAGTGGTGGGAGTGGTGGAGGCCTCCTCACAGCTGGAGGAAGCCTCAATTTATAGCCGATGGGAG
 GTGGAAGAGGACTGGTGTCTGTCTGCTCCGCTCCTACCAGGCAGAACCGGGCCGACTTCCCCTGGA
 GCGTGGGGAGGACATGAGTGCAGATGGACGGCGCAGCTGGCTTTGTTTCTGGCTCGGAAGCATCTGCA
 CAACCTTTGAGGCCACTACTGCACCCCACTCCAGCCAGAACTCCAGATGCCCTGGCACCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205122 representing NM_021160
 Red=Cloning site Green=Tags(s)

MAKLLSCLVLPRLYKIYRERDSERAPASVPETPTAVTAPHSSWDYYQPRALEKHADSILALASVFSWI
 SYSSPFAFFYLVRKGYLSLKVVPFVSHYAGTLLLLLAGVACLRLGIRWTNPQYRQFITILEATHRNQSS
 ENKRQLANYNDFRFRSWPVDVFWEEPSSRKESSRGGPSRRGVALLRPEPLHRGTADLLNRVKKLPCQITSY
 LVAHTLGRRLYPGSVYLLQKALMPVLLQGGARLVEECNGRRAKLLACDGNEIDTMFVDRRGTAEPPQGK
 LVICCEGNAGFYEVGCVSTPLEAGYSVLGWNHPGFAGSTGVFPQNEANAMDVVVQFAIHRLLGFQPDII
 IYAWSIGGFTATWAAMSYPDVSAMILDASFDDL VPLALKVMPDSWRGLVTRTVRQHLNNAEQLCRYQG
 PVLLIRRTKDEIITTTVPEDIMSNRGNLKKLLQHRYPRVMAEEGLRVVRQWLEASSQLEEASIYSRWE
 VEEDWCLSVLRSYQAEHGPDPFVSVGEDMSADGRRQLALFLARKHLHNFEATHCTPLPAQNFQMPWHL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_021160

ORF Size: 1674 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_021160.3](#)

RefSeq Size: 2019 bp

RefSeq ORF: 1677 bp

Locus ID: 7920

UniProt ID: [O95870](#)

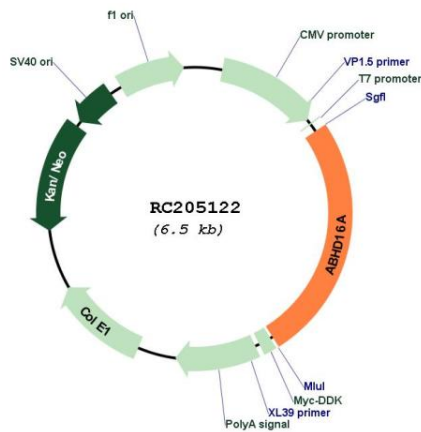
Cytogenetics: 6p21.33

Protein Families: Transmembrane

MW: 63.2 kDa

Gene Summary: A cluster of genes, BAT1-BAT5, has been localized in the vicinity of the genes for tumor necrosis factor alpha and tumor necrosis factor beta. These genes are all within the human major histocompatibility complex class III region. The protein encoded by this gene is thought to be involved in some aspects of immunity. Alternatively spliced transcript variants have been described. [provided by RefSeq, Apr 2010]

Product images:



Circular map for RC205122