

## Product datasheet for **RC230230**

### **BAT5 (ABHD16A) (NM\_001177515) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	BAT5 (ABHD16A) (NM_001177515) 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:**

>RC230230 representing NM\_001177515  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCCTCCCCGGCTCTGTTTTATCTTCCCTTTACCCTCGCCTGAATTCAGAATGACTTTTACAGAT  
 CCTGTATCCGTCGGTCTCCCTCAACCCCGCCAACCTAGCCTGGAGACCCGAGTCATTGTATTCTGG  
 AGAGCTGGCGGGTGGTGGTTACTTGAGTTTGCCAAAGTGGTGCCGTTTTCTCACTATGCTGGGACATTG  
 CTGCTACTTCTGGCAGGTGTGGCCTGCCTCCGAGGCATTGGCCGCTGGACCAACCCCAAGTACCGGCAGT  
 TCATCACCATCTTGAAGCAACACATCGGAACCAAGTCTTCAGAAAACAAGAGGCAGCTTGCCAACTACAA  
 CTTTGACTTCCGGAGCTGGCCAGTCGACTTCCACTGGGAAGAACCAGCAGCCGGAAGGAGTCTCGAGGG  
 GGCCCTTCCCGCCGGGTGTGGCCCTGCTCGCCAGAGCCCTGCACCGGGGACAGCAGACACCCCTCC  
 TCAACCGGTTAAGAAGCTGCCTTGTGAGATCACCAGCTACCTGGTGGCGCACACCCTAGGGCGCCGGAT  
 GCTGTATCCAGGCTCTGTGTACCTGCTGCAGAAGGCCCTCATGCCTGTGCTGCTGCAGGGCCAGGCCGA  
 CTGGTGAAGAGTGTAATGGGCGCCGGCAAGCTGCTGGCCTGTGATGGCAATGAGATTGACACCATGT  
 TTGTGGACCGCCGGGGACAGCTGAGCCCCAGGGACAGAAGCTGGTGTATCTGCTGTGAGGGGAATGCTGG  
 GTTTTATGAGGTGGGCTGCGTCTCCACGCCCTGGAAGCTGGATATTCAGTCTGGGCTGGAATCATCCA  
 GGCTTTGCTGGAAGCACGGGGTGCCATCCCGCAGAATGAGGCTAATGCCATGGATGTGGTGGTCCAGT  
 TTGCCATCCACCGCTAGGCTCCAGCCCCAGGACATCATCATACGCTGGTCCATCGGCGGCTTCCAC  
 TGCCACGTGGGACCCATGTCTACCCAGATGTTAGTGCCATGATCCTGGATGCCTCCTTTGATGACCTG  
 GTGCCCTTGGCCTTGAAGTTCATGCCAGACAGCTGGAGGGCCTGGTACCAGGACCGTGGCAGCAGCATC  
 TCAATCTAAACAACCGGAGCAGCTGTGCAGATACCAGGCTCTGTACTGCTGATCCGGAGAACAAGGA  
 TGAGATCATCACCACCAGGTTCTGAGGACATCATGTCCAACCGAGGCAATGACCTCCTGCTGAAGCTC  
 CTGCAGCATCGGTATCCCGGGTGTGAGGAGAGGGTCTTCGAGTGGTGGGAGTGGTGGAGGCT  
 CCTCACAGCTGGAGGAAGCCTCAATTTATAGCCGATGGGAGGTGGAAGAGGACTGGTGTCTGTCTCT  
 CCGCTCTACCAGGCAGAACACGGGCCGACTTCCCTGGAGCGTGGGGAGGACATGAGTGCAGATGGA  
 CGGCGGCAGCTGGCTTTGTTCTGGCTCGGAAGCATCTGCACAACCTTTGAGGCCACTCACTGCACCCAC  
 TCCAGCCAGAACTTCCAGATGCCCTGGCACCTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC230230 representing NM\_001177515  
 Red=Cloning site Green=Tags(s)

MPPPALFLSSLYPRLEFQNDFYRSCIRRSSPQPPPNLAWRPESLYSGELAGGGYLSLSKVVPF SHYAGTL  
 LLLLAVACLRLGIRWTNPQYRQFITILEATHRNQSSENKRQLANYNDFRSWPVDFHWEPPSSRRESRG  
 GPSRRGVALLRPEPLHRGTADTLNVRVKKLPCQITSYLVAHTLGRRLYPGSVYLLQKALMPVLLQGQAR  
 LVEECNGRRAKLLACDGNEIDTMFVDRRGTAEPPGQKLVICCEGNAGFYEVGCVSTPLEAGYSVLGWNHP  
 GFAGSTGVFPQNEANAMDVVVQFAIHLRGLFQPDIIYAWSIGGFTATWAAMSYPDVSAMILDASFDDL  
 VPLALKVMPDSWRGLVTRTVRQHLNLNNAEQLCRYQGPVLLIRRTKDEIITTTVPEDIMSNRGNLLLLKL  
 LQHRYPRVMAEEGLRVVRQWLEASSQLEASIYSRWEVEEDWCLSVLRSYQAEHGPDFPWSVGEDMSADG  
 RRQLALFLARKHLHNFEATHCTPLPAQNFQMPWHL

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8007\\_d07.zip](https://cdn.origene.com/chromatograms/mk8007_d07.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001177515

**ORF Size:** 1575 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\\_001177515.2](#)

**RefSeq ORF:** 1578 bp

**Locus ID:** 7920

**UniProt ID:** [O95870](#)

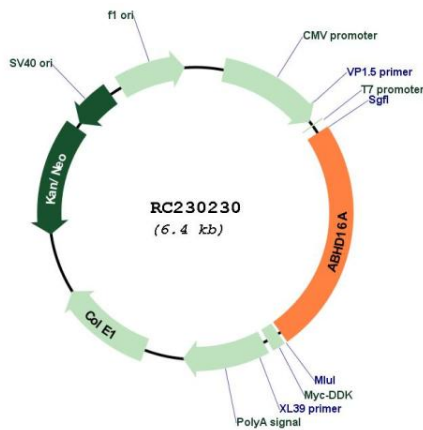
**Cytogenetics:** 6p21.33

**Protein Families:** Transmembrane

**MW:** 59.8 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 RC230230