

Product datasheet for **RG230230**

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:	TurboGFP
Symbol:	ABHD16A
Synonyms:	BAT5; D6S82E; hBAT5; NG26; PP199
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG230230 representing NM_001177515
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCTCCCCGGCTCTGTTTTATCTTCCTTTACCCTCGCCTGAATTCAGAATGACTTTTACAGAT
 CCTGTATCCGTCGGTCTCCCTCAACCCCGCCAACCTAGCCTGGAGACCCGAGTCATTGTATTCTGG
 AGAGCTGGCGGGTGGTGGTTACTTGAGTTTGCCAAAGTGGTGCCGTTTTCTCACTATGCTGGGACATTG
 CTGCTACTTCTGGCAGGTGTGGCCTGCCTCCGAGGCATTGGCCGCTGGACCAACCCCAAGTACCGGCAGT
 TCATCACCATCTTGAAGCAACACATCGGAACCAAGTCTTCAGAAAACAAGAGGCAGCTTGCCAACTACAA
 CTTTGACTTCCGGAGCTGGCCAGTCGACTTCCACTGGGAAGAACCAGCAGCCGGAAGGAGTCTCGAGGG
 GGCCCTTCCCGCCGGGTGTGGCCCTGCTCGCCAGAGCCCTGCACCGGGGGACAGCAGACACCCCTCC
 TCAACCGGTTAAGAAGCTGCCTTGTGAGATCACCAGCTACCTGGTGGCGCACACCCTAGGGCGCCGGAT
 GCTGTATCCAGGCTCTGTGTACCTGCTGCAGAAGGCCCTCATGCCTGTGCTGCTGCAGGGCCAGGCCGA
 CTGGTGAAGAGTGTAATGGGCGCCGGCAAGCTGCTGGCCTGTGATGGCAATGAGATTGACACCATGT
 TTGTGGACCGCCGGGGACAGCTGAGCCCCAGGGACAGAAGCTGGTGTATCTGCTGTGAGGGGAATGCTGG
 GTTTTATGAGGTGGGCTGCGTCTCCACGCCCTGGAAGCTGGATATTCAGTCTGGGCTGGAATCATCCA
 GGCTTTGCTGGAAGCACGGGGTGCATTCCCGCAGAATGAGGCTAATGCCATGGATGTGGTGGTCCAGT
 TTGCCATCCACCGCTAGGCTTCCAGCCCCAGGACATCATCATACGCCTGGTCCATCGGCGGCTTCCAC
 TGCCACGTGGGCAGCCATGTCTACCCAGATGTTAGTGCCATGATCCTGGATGCCTCCTTTGATGACCTG
 GTGCCCTTGGCCTTGAAGTTCATGCCAGACAGCTGGAGGGCCTGGTACCAGGACCGTGAAGCAAGCA
 TCAATCTAAACAACCGGAGCAGCTGTGCAGATACCAGGCTCTGTACTGCTGATCCGGAAACCAAGCA
 TGAGATCATCACCACCAGGTTCCCTGAGGACATCATGTCCAACCGAGGCAATGACCTCCTGCTGAAGCTC
 CTGCAGCATCGGTATCCCGGGTGTGAGAGAGGGTCTTCGAGTGGTGAAGCAGTGGTGTGGAGGCCCT
 CCTCACAGCTGGAGGAAGCCTCAATTTATAGCCGATGGGAGGTGGAAGAGGACTGGTGTCTGTCTGTCT
 CCGCTCTACCAGGCAGAACACGGGCCGACTTCCCTGGAGCGTGGGGAGGACATGAGTGCAGATGGA
 CGGCGGCAGCTGGCTTTGTTTCTGGCTCGGAAGCATCTGCACAACCTTTGAGGCCACTCACTGCACCCAC
 TCCAGCCAGAACTTCCAGATGCCCTGGCACCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG230230 representing NM_001177515
 Red=Cloning site Green=Tags(s)

MPPPALFLSSL YPRLEFQND FYRSCIRRSSPQPPPNLAWRPESLYSGELAGGGYLSLSKVVPF SHYAGTL
 LLLL LAGVACL RGI GRWTPQYRQF ITILEATHRNQSS ENKRQL ANYNDFRSWPVDFHWEPPSSRKE SRG
 GPSRRGVALLRPEPLHRGTADTLN RVKLLPCQITSYLVAHTLGRRMLYPGSVYLLQKALMPVLLQGQAR
 LVEECNRRRAKLLACDGNEIDTMFVDRRGTAEPQGQKLVICCEGNAGFYEVGCVSTPLEAGYSVLGWNHP
 GFAGSTGVFPQNEANAMDVVVQFAIHLR LFGFPQDIIYAWSIGGFTATWAAMSYPDVSAMILDASFDDL
 VPLALKVMPDSWRGLVTRTVRQHLNLNNAEQLCRYQGPVLLIRRTKDEIITTTVPEDIMSNRGNL LLLKL
 LQHRYPRVMAEEGLRVVRQWLEASSQLEEASIYSRWEVEEDWCLSVLRSYQAEHGPDPFWSVGEDMSADG
 RRQLALFLARKHLHNFEATHCTPLPAQNFQMPWHL

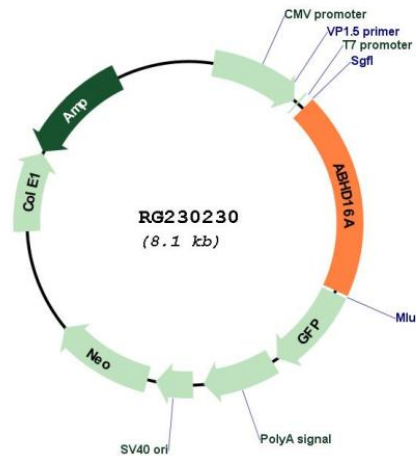
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:


Plasmid Map:


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:	<ol style="list-style-type: none">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 Size:	2146 bp
RefSeq ORF:	1578 bp
Locus ID:	7920
UniProt ID:	O95870
Cytogenetics:	6p21.33
Protein Families:	Transmembrane
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]