

## Product datasheet for **RG211836**

### ABHD16B (NM\_080622) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ABHD16B (NM_080622) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ABHD16B
Synonyms:	C20orf135; dj591C20.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG211836 representing NM\_080622  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTGCGTCATCTGCTTCGTGAAGGCGCTGGTGC GCGTGTCAAGATCTACCTGACCGCCAGCTACACCT  
 ACCAATTCGCGGCTGGCCCGTGGCCTTCGCTGGGATGACGTGCGCGCGTGGCCGGAGCAGCAGCCA  
 CCGGGCGCTGACCTGCGCGGCAGCCGCGCGGGCGTGTGGTTGCTGCGGGACGAGACGCTGGCGGGGAT  
 GCGCTGGGGCGCCTCCACGTGGGGCGCGCAGCCAGGCGCAGTGCCTCTTGCAGCAGCTCCGCGAGCTGC  
 CCGGCCAGCTCGTAGCTACGCGCTGGCCACTCGCTGGCCGCTGGCTCGTGTACCCCGCTCCGTGTC  
 CCTGATGACGCGCGCTGCTGCCGCTGCTGCAGCAGGGCCAAGAGCGCCTCGTGGAGCGCTACCACGGC  
 CGGCGCGCAAGCTGGTGGCCTGTGACGGCAACGAGATCGACACTATGTTATGGACCGCCGACAGCACC  
 CGGGCAGCCAGTGCACGGCCGCGCCTCGTATCTGCTGCGAAGGCAACGCGGGCTTCTACGAGATGGG  
 CTGTCTGTCTGCACCGCTCGAGGCGGCTACTCCGTGCTGGGCTGGAACCACCCGGCTTCGGCAGCAGC  
 ACTGGCGTGCCCTTCCCTCAGCAGCAGCCAACGCCATGGACGTGGTGGTTCGAGTACGCACTGCACCGCC  
 TGCACTTCCCGCCGCGCACCTGGTGGTCTACGGCTGGTCTGTTGGCGGCTTACGGCCACCTGGGCCAC  
 CATGACCTACCCGGAGCTGGGTGCACTGGTGTGGACGCCACCTTCGACGACCTTGTGCCGCTGGCGCTG  
 AAGGTCATGCCCCACAGTTGGAAGGGGCTGGTGGTGGCACCCTGCGCGAGCACTTCAACCTCAACGTGG  
 CCGAGCAGCTGTGCTGTACCCGGGGCCGGTGTGCTGCTCCGACGACGAGGATGACGTGGTCAAGCAC  
 TTCGGGCCGCTGCGCCCCGTGACCTGGTGCAGTGGAGGGCAACCGGGGCAATGAGCTGCTGCTGCGC  
 CTGCTGGAGCACCCTACCCCGTGTGATGGCGGAGAGGGCCGCGCCGCTCGTACCCCGCTGGCTGGCGG  
 CTGGCAGCTTGGCGCAGGAGGCGCCTTCTATGCACGCTACCGGTGGACGAGGACTGGTGCCTGGCGG  
 GCTGCGCTCCTACCGTGCACGCTGCGAAGAGGAGCTGGAGGGCGAGGAGCCCTGGGGCCACACGGACCC  
 GCCTTCCCATGGCTGGTGGGCCAGGGCCTGAGCTCGCGCGCGCGCCGGCCCTCGCACTGTTCTGGCTC  
 GGAAGCACCTCAAGAACGTGGAGGCGACTCACTTCAGCCCTCTGGAGCCTGAGGAGTTTTCAGTTGCCCTG  
 GCGGCTG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG211836 representing NM\_080622  
 Red=Cloning site Green=Tags(s)

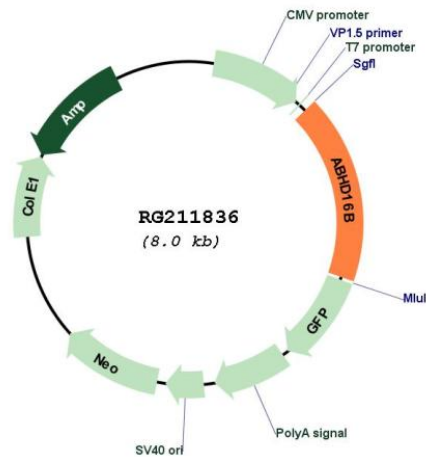
MCVICFVKALVRVFKIYLTASYTYPFRGWPVAFRWDDVRAVGRSSSHRALTCAAAAAGVWLLRDETLGGD  
 ALGRPPRGARSQAQCLLQQLRELPGQLASYALAHSLGRWL VYPGSVSLMTRALLPLLQQQERLVERYHG  
 RRAKL VACDNEIDTMFMDRRQHPGSHVHGPRLVICCEGNAGFYEMGCL SAPLEAGYSVLGWNHPGFSS  
 TGVPFPQHDANAMDVVVEYALHRLHFPPAHLVYVWVSVGGFTATWATMTYPELGALVLDATFDDL VPLAL  
 KVMPHSWKGLVVRTVREHFNLNVAEQLCCYPGVLLLRRTQDDVVSTSGRLRPLSPGDVEGNRGNELLLR  
 LLEHRYPVVMAREGRAVVTRWLRAGSLAQEAIFYARYRVEDDWCLALLRSYRARCEEELEGEALGPHG  
 AFPWLVGQGLSSRRRRRLALFLARKHLKNVEATHFSPLEPEEFQLPWRL

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_080622

**ORF Size:** 1407 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\\_080622.4](#)

**RefSeq Size:** 1791 bp

**RefSeq ORF:** 1410 bp

**Locus ID:** 140701

**UniProt ID:** [Q9H3Z7](#)

**Cytogenetics:** 20q13.33