

## Product datasheet for **RR200985**

### Abhd14b (NM\_001007664) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Abhd14b (NM\_001007664) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Abhd14b  
**Synonyms:** MGC93766  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR200985 representing NM\_001007664  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCAATGTGGAGCTGAGTGAAGGCACCATCCAGGTGCGGGGCCAGAGTCTTTTCTTCAGAGAGGCC  
 GGCTGGCAATGGCAGGCTGTCCGTTCTCTGTGCTGCTGTTACATGGTATCCGCTTCTCTCTGAGAC  
 TTGGCAGAACCTGGTACTCTGCATAGGCTGGCTGAGGCTGGCTACAGGGCTGTGGCCATTGATCTGCCA  
 GGTCTTGGGCGATCCAAGGAAGCAGCAGCCCTGCCCTATTGGGGAACCTGGCCCTGGCAGCTTCTTAG  
 CTGCCGTGGTGGATGCCTTGGAGCTGGGATCCCTAGTTGTGATCAGTCCATCATTAAAGTGGCATGTATGC  
 ACTACCCTTCTCGTGGCCCTGAGTCCCAGCTCCGGGGCTATGTACCGTGGCTCCTATCTGCACAGAC  
 AAGATCAATGCTGCTGACTACGCCCGTGTGAAGACTCCGACTCTCATTGTATGGAGACCAGGACCCCA  
 TGGGCTCTCCAGCTTTCAACACCTGAAGCAGCTGCCAACACAGAGTGTGGTATGGAAGGGGCAGG  
 GCATCCCTGTTACTTGGACAAGCCGGATGAGTGGCATAACGGGGCTTCTGGACTTCTGCAGGAGCTAGCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR200985 representing NM\_001007664  
 Red=Cloning site Green=Tags(s)

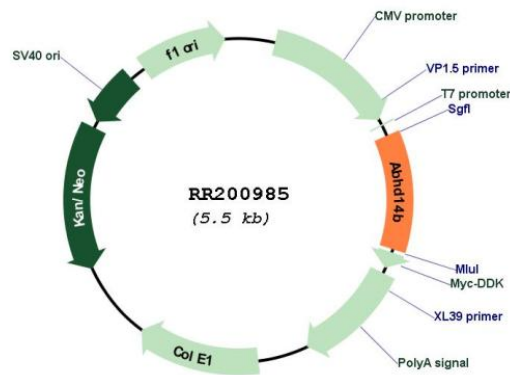
MANVELSEGTIQVRGQSLFFREARPGNQAVRFSVLLHGHIRFSSETWQNLGTLHRLAEAGYRAVAIDL  
 GLGRSKEAAAPAPIGELAPGSFLAAVDALELGLSVVISPSPSLSGMYALPFLVAPESQLRGGVVPVAPICTD  
 KINAADYARVKTPTLIVYGDQDPMGSSSFQHLKQLPNHRVLMGAGHPCYLDKPDEWHTGLLDLFLQELA

**TR**TRPLEQKLISEEDLAANDILDYKDDDDK**V**

**Restriction Sites:** SgfI-MluI



**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001007664

**ORF Size:** 630 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\\_001007664.1](#), [NP\\_001007665.1](#)

**RefSeq Size:** 1603 bp

**RefSeq ORF:** 633 bp

**Locus ID:** 300983

**UniProt ID:** [Q6DGG1](#)

**Cytogenetics:** 8q32

**MW:** 22.6 kDa

**Gene Summary:** Has hydrolase activity towards p-nitrophenyl butyrate (in vitro). May activate transcription (By similarity).[UniProtKB/Swiss-Prot Function]