

## Product datasheet for **RR204791**

### Abhd17b (NM\_001014028) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Abhd17b (NM_001014028) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Abhd17b
Synonyms:	Cgi67l; Fam108b1; RGD1305246
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR204791 representing NM_001014028 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATAATCTTTCATTTAGTGAGCTATGTTGCCTCTTCTGCTGTCCACCTTGCCAGGGAAAATCGCTT  
CAAACTAGCATTCTTGCCACCTGATCCAATTACACACTGATGTGTGATGAGAGTGGAAGCCGCTGGAC  
CTTACACCTGTCAGAACGAGCGGACTGGCAGTACTCGTCCAGAGAGAAAGATGCTATTGAGTGTTCATG  
ACAAGAACCAGTAAAGGCAACAGAATTGCTTGTATGTTTGTGCGGTGTTACCAAATGCTAAATACCT  
TACTGTTCTCACATGGGAATGCTGTTGATCTTGGTCAGATGAGCAGTTTTTACATAGGTCTGGGGTCCCG  
GATTAATTGTAATATATTCTCATATGATTACTCTGGATATGGTGCTAGTTCTGGAAAGCCAACAGAGAAG  
AACCTGTATGCAGACGTGGAAGCTGCCTGGCTGGCTCTTCGGACAAGATACGGCATTCTGCTGAAAATG  
TGATTATATATGGCCAGAGCATAGGGACCGTACCGTCTGTGGACCTCGTCTCGGTATGAGAGTCTGC  
CGTTATTCTTCATTCTCCTTTGACCTCAGGAATGCGGGTTGCTTCCCTGATACCAAGAAGACCTACTGT  
TTTGATGCATTCCTAAATATTGACAAAATCTCTAAGATAACCTCTCCAGTATTAATAATTCATGGGACTG  
AAGATGAAGTCATTGACTTTTCCATGGCCTCGCATTGTTTGAGCGTTGCCAAAGACCTGTGGAGCCTCT  
GTGGGTGAAGGGGCAGGACACAATGATGTGGAGCTGTATGGACAATACCTTGAGAGGTTAAAACAGTTT  
GTGTCACAGGAAGTGGTAAATTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR204791 representing NM\_001014028  
Red=Cloning site Green=Tags(s)

MNLSFSELCCFLCCPPCPGKIASKLAFLLPPDPTYTLMCDESGSRWTLHLSERADWQYSSREKDAIECFM  
 TRTSKGNRIACMFVRCSPNAKYTLFSGHNAVLDLGMSSFYIIGLSRINCNIIFYDYSYGYGASSGKPTK  
 NLYADVEAAWLALRTRYGIRPENVIYQSIGTVPSVDLAARYESAIVLHSPLTSGMRVAFPDTKKTYC  
 FDAFPNIDKISKITSPVLIHGTEDVIDFVSHGLALFERCQRPVEPLWVEGAGHNDVELYQYLERLQKQ  
 VSQELVNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja3514\\_f01.zip](https://cdn.origene.com/chromatograms/ja3514_f01.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001014028

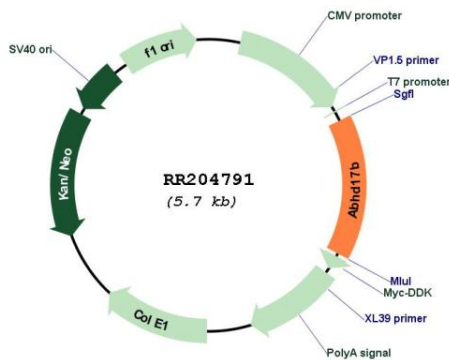
**ORF Size:** 864 bp

**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](mailto: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](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001014028.1</a></u> , <u><a href="#">NP_001014050.1</a></u>
<b>RefSeq Size:</b>	1623 bp
<b>RefSeq ORF:</b>	867 bp
<b>Locus ID:</b>	309399
<b>UniProt ID:</b>	<u><a href="#">Q6AY17</a></u>
<b>Cytogenetics:</b>	1q51
<b>MW:</b>	32.2 kDa
<b>Gene Summary:</b>	Hydrolyzes fatty acids from S-acylated cysteine residues in proteins. Has depalmitoylating activity towards DLG4/PSD95. Has depalmitoylating activity towards GAP43. Has depalmitoylating activity towards MAP6. Has depalmitoylating activity towards NRAS. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RR204791