

## Product datasheet for **MC205796**

### Abhd6 (NM\_025341) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Abhd6 (NM\_025341) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Abhd6  
**Synonyms:** 0610041D24Rik; AA673485; AV065425  
**Mammalian Cell Selection:** Neomycin  
**Vector:** PCMV6-Kan/Neo (PCMV6KN)  
**E. coli Selection:** Kanamycin (25 ug/mL)

**Fully Sequenced ORF:** >BC027011  
 GCGGGGACCTGGGACTGGAGGGCGGCGAACGGGCAGCAGGACCGGGTCACTGAGCCTCTGCAGGTGTCA  
 ACAAGGCTCAAGGAGCAGGATGGATCTCGATGTGGTTAACATGTTTGATTGCGGGTGGGACCCCTGGCC  
 ATTCCAATCCTGGCATTGTTGCGTCTTTCCTCCTGTGGCCTTACGCACTGATAAGAATCTATTATTGGT  
 ACTGGCGGAGGACACTGGGCATGCAAGTTCGCTACGCACACCATGAGGACTATCAGTTCTGTTACTCCTT  
 CCGGGGACAGGCCAGGACACAAGCCATCTATCCTTATGCTCCATGGATTCTCCGCACACAAGGACATGTGG  
 CTCAGCGTGGTCAAGTTCCTTCCGAAGAACCTGCACTTGGTCTGTGTGGACATGCCTGGGCATGAAGGCA  
 CTACCCGCTCCTCCCTGGATGACCTGTCCATAGTGGGACAAGTAAAAGGATACATCAGTTTGTAGAATG  
 CCTTAAGCTGAACAAAAAGCCCTTTCACCTTATAGGCACCTCCATGGGTGGCCACGTGGCTGGAGTATAT  
 GCCGCTTACTACCCATCTGATGTCTGCAGCCTGTCTCTCGTGTGTCTGCTGGCCTGCAGTATTCAACTG  
 ACAATCCTTTTGTACAACGGCTCAAAGAGCTGGAGGAGTCAGCTGCCATTGAGAAGATTCCTTGTATCCC  
 ATCCACCCCGGAAGAGATGAGTGAGATGCTGCAGCTCTGCTCCTATGTCCGCTTCAAGGTGCCCCAGCAG  
 ATCCTTCAAGGTCTTGTGATGTTCGCATTCTCATAACAGCTTCTACCGGAAATGTTTTTGGAAATCG  
 TCAATGAGAAATCCAGATACTCTCTGCATGAGAAATATGGACAAGATCAAGGTCCCAGACAGATCATTTG  
 GGGGAAACAAGACCAGGTGCTTGTGTGTCGGGGCAGACATATTAGCCAAGTCAATCTCTAACTCCCAG  
 GTAGAGTTCTGGAAACTGTGGCCATTCGGTAGTGTGAGAGACCCGAGGAAGACAGCCAAGCTCATTG  
 TCGACTTTTTAGCTTCTGTGCATAACACAGACAACAAGAAGCTGAACTGAGGCTGTTGCCACAGCTTGCA  
 TTGTGCACACAGCATCTGCTCCCATCCCCAAAACCTGACACAGTAACCACTCTCAGGGATCCTGCCCCAA  
 ATGCTGTCTGAGCACCAACAGCCCTGAGGAAGCCAGTTGCCTATCCCAGTATCCTTGGTTCCACAGAGCA  
 TCAGGGGCCACAAGAACTCTCCAGGATCCTTTTTTTCAAATAGAACTAAATGGAACAAACAACAA AAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** NM\_025341  
**Insert Size:** 1011 bp



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**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](#)

**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:** [BC027011](#), [AAH27011](#)

**RefSeq Size:** 1344 bp

**RefSeq ORF:** 1011 bp

**Locus ID:** 66082

**UniProt ID:** [Q8R2Y0](#)

**Cytogenetics:** 14 A1

**Gene Summary:** Lipase that preferentially hydrolysis medium-chain saturated monoacylglycerols including 2-arachidonoylglycerol (PubMed:18096503, PubMed:20657592). Through 2-arachidonoylglycerol degradation may regulate endocannabinoid signaling pathways (PubMed:18096503, PubMed:20657592). Also has a lysophosphatidyl lipase activity with a preference for lysophosphatidylglycerol among other lysophospholipids (PubMed:24095738). Also able to degrade bis(monoacylglycerol)phosphate (BMP) and constitutes the major enzyme for BMP catabolism (PubMed:26491015). BMP, also known as lysobisphosphatidic acid, is enriched in late endosomes and lysosomes and plays a key role in the formation of intraluminal vesicles and in lipid sorting (PubMed:26491015).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1). Both variants 1 and 2 encode the same isoform (1).