

Product datasheet for **MC203233**

Abhd5 (NM_026179) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Abhd5 (NM_026179) Mouse Untagged Clone
Tag: Tag Free
Symbol: Abhd5
Synonyms: 1300003D03Rik; 2010002J10Rik; CDS; CGI-58; IECN5; NCIE2
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC037063
 CCACGCGTCCGGCCGGCTTCGAGGTGTGTCCCTGCGCTTGCGCGGCGGGTGTGAAAGCGATGGCGGC
 GGAGGAGGAGGTGGACTCGGCAGACGCCGGTGGAGGGTCAAGATGGCTGACAGGGTGGCTTCTACCTGG
 TGTCACATCTACATCACACCTTAAAGAAGCTGAAGAGAAAATGTTAAAATGTGTCCCTGCACCTTACA
 AGAAAGAGCCTGTGCGCATATCCAATGGAACAGAATATGGACGCTGATGTTCTCTCACAACTTTCTAG
 TAAGACGCCACTTGCCTCCTTCATGGTTTTGGAGGAGGTCTTGGACTTTGGGCCCTGAATTTGAAGAT
 CTAAGCACCGATAGGCCTGTCTATGCCTTTGACCTATTGGGCTTCGGAAGAAGTAGTAGCCTAGGTTTG
 ACAGTGATGCGGAAGAAGTGGAGAATCAGTTTGTGGAATCCATTGAAGAGTGGAGATGTGCCCTCAGGT
 GGACAAAATGATCTTGTGGACACAACCTGGGAGGGTCTTGGCTGCCGCTTACTACTGAAGTACCCA
 TCAAGGGTTAGTCACCTCATTTTAGTAGAGCCATGGGGTTTTCTGAGCGACCAGATCTTGTGATCAAG
 AGAGACCAATTCAGTTTGGATCAGGGCCCTAGGGGCAGCATTGACTCCCTTTAACCCCTTGGCTGGCCT
 CAGGATTCAGGACCTTTTGGGTTAAGTCTAGTGCAGCGTTTGGGCTGATTTCAAGCGGAAGTACTCC
 TCTATGTTTGAAGATGACACGGTGACAGAGTACATCTACCACTGTAATGTACAAACCCCAAGTGGTGAGA
 CAGCTTTCAAAAACATGACGATTCCTTATGGGTGGCCAAACGGCCAATGCTTCAGCGGATAGGTGGCTT
 GCATCCTGACATTCAGTTTCAGTGATCTTTGGAGCCGATCCTGCATAGATGGCAACTCTGGAACCAGC
 ATCCAGTCACTGCGACCGAAGTCTACGTGAAGACAATTGCCATCCTCGGGGCGGGGATTATGTGTATG
 CAGATCAGCCAGAAGAATTCAACCAGAAAGTCAAGGAGATCTGCCACACAGTAGACTGAGCACACAGAAC
 CATGCAGCATCCGTGACGGGTGCCGTTTCATGAGCAATCCCCACAGCCGAGGACCCCGCAGTCTCCTGG
 ACTGGACTCTGCAGCTTTCCACATTTAAACCAACCAGTGCCTTCTAGAAGAATGGCTTTTCTTTCTCCTA
 CACAGAATTTAAAATATAGGAGAGTCTCCAATTTAATAATCGCCTTAAATAAAGGTTGCCTTCTGATGT
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_026179
Insert Size: 1056 bp



[View online »](#)

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	BC037063 , AAH37063
RefSeq Size:	1353 bp
RefSeq ORF:	1056 bp
Locus ID:	67469
UniProt ID:	Q9DBL9
Cytogenetics:	9 F4
Gene Summary:	Coenzyme A-dependent lysophosphatidic acid acyltransferase that catalyzes the transfer of an acyl group on a lysophosphatidic acid (PubMed:19801371). Functions preferentially with 1-oleoyl-lysophosphatidic acid followed by 1-palmitoyl-lysophosphatidic acid, 1-stearoyl-lysophosphatidic acid and 1-arachidonoyl-lysophosphatidic acid as lipid acceptor (PubMed:19801371). Functions preferentially with arachidonoyl-CoA followed by oleoyl-CoA as acyl group donors (PubMed:19801371). Functions in phosphatidic acid biosynthesis (By similarity). May regulate the cellular storage of triacylglycerol through activation of the phospholipase PNPLA2 (PubMed:16679289). Involved in keratinocyte differentiation (By similarity). Regulates lipid droplet fusion (PubMed:26083785).[UniProtKB/Swiss-Prot Function]