

Product datasheet for **MC226999**

Abhd4 (NM_001205181) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Abhd4 (NM_001205181) Mouse Untagged Clone
Tag: Tag Free
Symbol: Abhd4
Synonyms: 1110035H23Rik; Abh4; AI429574
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC226999 representing NM_001205181
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGC**C

ATGTCTCAACTGAAGAATGTGGAAGCCAGGATCCTCCAGTGTCTCCAGAACAAGTTCCTGGCCCGTTATG
TATCCCTCCAAACCAGAACAAGATCTGGACGGTACTGTGAGCCAGAACAAGGATCGACCCCTCT
GGTGATGTTACATGGCTTTGGGGCGGTGTGGCCTCTGGATCCTCAACATGGATTCACTGAGTGCCCGC
CGCACACTTCATACCTTTGATCTGCTTGGTTTTGGGCGAAGCTCAAGGCCAACATCCCAAGGGACCCAG
AAGGAGCTGAAGATGAGTTTGTGGCCTCAATAGAGACATGGCGGGAGACCATGGGAATCCCACCATGAT
CCTCCTGGGGCACAGTTTGGGAGGATCCTGGCCACTTCTACTCTATCAAGTACCCTGAAAGAGTTAAA
CATCTTATCCTGGTGGATCCATGGGGCTTTCCCTACGACCAACTGACCCTAGTGAGATCCGTGCACCTC
CAACCTGGGTCAAGGCTGTGGCATCTGTCTGGGACGTTCCAATCCACTGGCTGTTCTTCGAGTGGCTGG
GCCTTGGGGCCCTGGGCTGGTGCAGAGATTCCTCCAGACTTCAAGCGCAAGTTTGCAGACTTCTTTGAG
GATGACACCATCTCGGAATACATCTACCCTGCAATGCACAGAATCCAGTGGGAAACGGCATTCAAAG
CCATGATGGAGTCTTTGGCTGGGCCCGCCCATGTTGGAGCGAATCCACTTAATTCGAAAAGATGT
GCCCATCACCATGATCTATGGGGCCAACACCTGGATAGATACCAGCACAGGGAAGAAGGTGAAGATGCAA
AGGCCGGATTCTACGTCCGAGACATGGAGATCGAGGGCGCATCCACCACGCTCTATGCTGACCAGCCAC
ACATCTCAATGCTGTGGTAGAAGAGATCTGCAACTCAGTTGACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001205181
Insert Size: 957 bp



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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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<u>NM_001205181.1</u> , <u>NP_001192110.1</u>
RefSeq Size:	2661 bp
RefSeq ORF:	957 bp
Locus ID:	105501
UniProt ID:	<u>Q8VD66</u>
Cytogenetics:	14 C2
Gene Summary:	<p>Lysophospholipase selective for N-acyl phosphatidylethanolamine (NAPE). Contributes to the biosynthesis of N-acyl ethanolamines, including the endocannabinoid anandamide by hydrolyzing the sn-1 and sn-2 acyl chains from N-acyl phosphatidylethanolamine (NAPE) generating glycerophospho-N-acyl ethanolamine (GP-NAE), an intermediate for N-acyl ethanolamine biosynthesis (PubMed:16818490, PubMed:25853435). Hydrolyzes substrates bearing saturated, monounsaturated, polyunsaturated N-acyl chains (PubMed:16818490, PubMed:25853435). Shows no significant activity towards other lysophospholipids, including lysophosphatidylcholine, lysophosphatidylethanolamine and lysophosphatidylserine (PubMed:16818490).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (2) has a shorter N-terminus, compared to isoform 1.</p>