

## Product datasheet for **MC207814**

### Abhd4 (NM\_134076) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Abhd4 (NM\_134076) 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:** >MC207814 representing NM\_134076  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGCTGGCTCAGCTCGACCCGGCAGGGCTTGTACTATGGCTGATGATCTGGAGCAGCAGCCTCAGG  
 GCTGGCTGAGTAGCTGGCTCCCCACTTGGCGCCCACTTCCATGTCTCAACTGAAGAATGTGGAAGCCAG  
 GATCCTCCAGTGTCTCCAGAACAAGTTCCTGGCCGTTATGTATCCCTCCCAAACCAGAACAAGATCTGG  
 ACGGTGACTGTGAGCCCAGAACAAAAGGATCGCACCCCTCTGGTATGGTACATGGCTTTGGGGCGGGT  
 TGGGCCTCTGGATCCTCAACATGGATTCAGTGCAGTGCAGCCGCGCACACTTCATACCTTTGATCTGCTTGG  
 TTTTGGGCGAAGCTCAAGGCCAACATTCCTCAAGGGACCCAGAAGGAGCTGAAGATGAGTTTGTGGCTCA  
 ATAGAGACATGGCGGGAGACCATGGGAATCCCCACCATGATCCTCCTGGGCGACAGTTTGGGAGGATTCC  
 TGGCCACTTCTTACTCTATCAAGTACCCTGAAAGAGTTAAACATCTTATCCTGGTGGATCCATGGGGCTT  
 TCCCCTACGACCAACTGACCCTAGTGCAGTCCGTGCACCTCAACCTGGGTCAAGGCTGTGGCATCTGTC  
 CTGGGACGTTCCAATCCACTGGCTGTTCTTCGAGTGGCTGGGCCCTGGGGCCTGGGCTGGTGCAGAGAT  
 TCCGTCCAGACTTCAAGCGCAAGTTTGCAGACTTCTTTGAGGATGACACCATCTCGGAATACATCTACCA  
 CTGCAATGCACAGAATCCAGTGGGAAACGGCATTCAAAGCCATGATGGAGTCCCTTGGCTGGGCCGG  
 CGCCCCATGTTGGAGCGAATCCACTTAATTCGAAAAGATGTGCCATCACCATGATCTATGGGGCCAACA  
 CCTGGATAGATACCAGCACAGGGAAGAAGGTGAAGATGCAAAGGCCGATTCTACGTCCGAGACATGGA  
 GATCGAGGGCGCATCCCACCAGTCTATGCTGACCAGCCACACATCTTCAATGCTGTGGTGAAGAGATC  
 TGCAACTCAGTTGACT**G**A

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_134076



<b>Insert Size:</b>	1068 bp
<b>OTI Disclaimer:</b>	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).
<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>NM_134076.2, NP_598837.2</u>
<b>RefSeq Size:</b>	2406 bp
<b>RefSeq ORF:</b>	1068 bp
<b>Locus ID:</b>	105501
<b>UniProt ID:</b>	<u>Q8VD66</u>
<b>Cytogenetics:</b>	14 C2
<b>Gene Summary:</b>	<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 (1) encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>