

Product datasheet for **MC200091**

Abhd12 (NM_024465) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Abhd12 (NM_024465) Mouse Untagged Clone
Tag: Tag Free
Symbol: Abhd12
Synonyms: 1500011G07Rik; 6330583M11Rik; AI431047; AW547313
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC002263 sequence for NM_024465
 GCCTATTGACGGTACCCGAGAGTGTCTGCTGCCCTGTGTGGTAAAGCATCATCCTGACAGGTGCTGAGTT
 CCCTTGGCTACCCAGTGGTACCTTTGACTACAGAGGTTGGGGTACTCAGTAGGAACACCATCGGAGCG
 AGGCATGACGTATGACGCACTCCATGTTTTGACTGGATCAAAGCAAGAAGTGGTGATAATCCTGTGTAT
 ATTTGGGGCCATTCACTGGGCACCGGAGTGGCAACAAATCTGGTACGGCCCTCTGTGAGCGAGAGACGC
 CACCAGATGCCCTTATATTGGAGTCTCCATTACAAAATATTCGTGAAGAAGCAAAGATCATCCATTTTC
 AGTGATATACCGATACTCCCTGGCTTTGACTGGTTCTTCTCGACCCCATACAAGCAGTGGAAATTA
 TTTGCAAAATGACGAAAATATGAAGCACATCTCCTGCCCTCTGCTCATCTTGCATGCCGAGGATGATCCAG
 TTGTGCCCTTTCATCTCGGTAGAAAGCTATAACAATTGCTGCGCCATCTCGAAGTTTCCGAGACTTCAA
 AGTCCAGTTTATCCCCTTCACTCAGACCTTGGCTACAGACATAAATACATCTACAAGAGCCAGAGCTT
 CCAAGGATACTGAGGGAATTCCTAGGGAAGTCGGAACCGGAACGCCAGCACTGAGACCGGCCATGAAGG
 AGCATGAAGACCCACCTTCTTCTTCTCCCTGGACAGCAGTCTGGCACCCAGAAGCCAGAGTGCCAC
 CACTGTGGTGTCTCAGGAGCCAGTGCACACCTAGAAAGAGGACTCAGACACAGCGGGCAGAGGCTCCTG
 ATGGATCTGTGAGGAAAACCCGGTGGCAGGCAGGTGGCCCCCAGCCCTCTGGTACCCTGTATCTGA
 GCTCTTTTGGGAAGGCTTATAGACAGCAGGTGGACCCCATATGCTGGGCATAGGGAGCCTGGGAAGGGC
 TCAGGAGCTCAGGACCACTCCAGGCTCTTGGCACCATTGCTTAAGATTAGGAAATGGTTCTTTCTGC
 CCTTCTAGCGTTTACAGAACAGACTCCAAGTGGTTTCAAGTTTGTCTCCTACAGCTCATTTACCTGCTTGC
 CTTCTCAGCTGTCCCTGCCTCTCCTGGCATCTGATTACCCACAGTAAGGGGCACCTGGATCTGCACTTC
 TTCCATTCTGCCACCTGTCTGCACCTAACCTGGCCGTAGACTGAGCATTATTTAAGAATAAAATCTC
 GGTGGTGGTCTATTTATTGTTTTCTCTACAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_024465
Insert Size: 540 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).
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:	BC002263 , AAH02263
RefSeq Size:	1304 bp
RefSeq ORF:	540 bp
Locus ID:	76192
UniProt ID:	Q99LR1
Cytogenetics:	2 G3
Gene Summary:	<p>Lysophosphatidylserine (LPS) lipase that mediates the hydrolysis of lysophosphatidylserine, a class of signaling lipids that regulates immunological and neurological processes (PubMed:23297193, PubMed:25580854, PubMed:30420694). Represents a major lysophosphatidylserine lipase in the brain, thereby playing a key role in the central nervous system (PubMed:23297193). Also able to hydrolyze oxidized phosphatidylserine; oxidized phosphatidylserine is produced in response to severe inflammatory stress and constitutes a proapoptotic 'eat me' signal (PubMed:30643283). Also has monoacylglycerol (MAG) lipase activity: hydrolyzes 2-arachidonoylglycerol (2-AG), thereby acting as a regulator of endocannabinoid signaling pathways (PubMed:18096503). Has a strong preference for very-long-chain lipid substrates; substrate specificity is likely due to improved catalysis and not improved substrate binding (PubMed:30237167).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest 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>