

Product datasheet for **RN211309**

Abhd12 (NM_001024314) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Abhd12 (NM_001024314) Rat Untagged Clone
Tag: Tag Free
Symbol: Abhd12
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN211309 representing NM_001024314
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGAAGCGGACCGAGCCCGTCACCTTGGAGCATGAGCGCTGCGCCGCTCAGGCTCGTCTTCTCCG
 GCTCGGCCCGCGCGCTGGACCGGACTGCAGCTTGAAGCAGAACCTGCGTCTGGCGGCAAGGGGAC
 GGCAGAGCCGCACAGCGCATCCGACGCGGCATGAAGCGGGCTCTGGGCAGACGGAAGAGCCTGTGGTTC
 CGACTAAGGAAGATACTTCTCTGTGTTTTGGGGTCTACATTGCCATTCCATTTCTGTCAAACCTGTGC
 CTGGGATACAGGCCAACTGATTTCTTAAATTCGTGAGGTTCCCTATTTTCATTGACTTAAAAAAGCC
 ACAGGATCAAGGTTTGAATCACACTGCAATTACTACCTCCAGCCGAGGATGATGTCACACTATTGGAGTC
 TGGCACACCATTCCCTCTGTCTGGTGAAGAATGCCCAAGGGAAGGACCAGATGTGGTATGAGGATGCTC
 TGGCTTCTAACCACCCATCATCTGTACCTGCATGGGAATGCAGGCACCAGAGGAGGTGACCACCGTGT
 GGAGCTGTACAAGGTGCTGAGTTCCTTGGTTACCACGTGGTCACCTTCGACTACAGAGGTTGGGGTGAC
 TCAGTAGGAACACCATCAGAGCGAGGCATGACATATGATGCACTCCATGTTTTGACTGGATCAAAGCAA
 GAAGTGGTGATAATCCTGTGTATATCTGGGGCCATTTCGCTGGGCACTGGAGTGGCAACAAATCTGGTCCG
 GCGCCTTTGTGAGCGAGAGACGCCACCAGATGCCCTTATATTGGAGTCTCCGTTACAAAATATTCGTGAA
 GAAGCAAAGATCATCCATTTTCAGTGATATACAGATACTTCCCAGGCTTTGACTGGTCTTCTCTCGACC
 CCATTACAAGCAGTGAATTAATTTGCAAATGACGAAAACATGAAGCACATCTCCTGTCCCTGCTCAT
 CTGACGCTGAGGATGACCCAGTTGTACCCTTTCATCTCGGCAGGAAGCTATACAATTTGCTGCGCCA
 TCCCGAAGTTTCCGAGACTTCAAAGTCCAGTTCATCCCCTTTCAGTCTCAGACCTTGGCTACAGACATAAGT
 ACATCTACAAGAGCCAGAGCTTCCACGGATACTGAGGGAATTCCTAGGGAAGTCGGAACAGAGCGCCA
 GC**ACTGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3667_h09.zip



Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001024314
Insert Size:	1197 bp
OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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).</p>
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:	NM_001024314.1 , NP_001019485.1
RefSeq Size:	1982 bp
RefSeq ORF:	1197 bp
Locus ID:	499913
UniProt ID:	Q6AYT7
Cytogenetics:	3q41
Gene Summary:	<p>Lysophosphatidylserine (LPS) lipase that mediates the hydrolysis of lysophosphatidylserine, a class of signaling lipids that regulates immunological and neurological processes (By similarity). Represents a major lysophosphatidylserine lipase in the brain, thereby playing a key role in the central nervous system (By similarity). Also able to hydrolyze oxidized phosphatidylserine; oxidized phosphatidylserine is produced in response to severe inflammatory stress and constitutes a proapoptotic 'eat me' signal. Also has monoacylglycerol (MAG) lipase activity: hydrolyzes 2-arachidonoylglycerol (2-AG), thereby acting as a regulator of endocannabinoid signaling pathways. Has a strong preference for very-long-chain lipid substrates; substrate specificity is likely due to improved catalysis and not improved substrate binding (By similarity).[UniProtKB/Swiss-Prot Function]</p>