

Product datasheet for **RN205292**

Abhd16a (NM_212531) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abhd16a (NM_212531) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Abhd16a
Synonyms:	Bat5; NG26
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205292 representing NM_212531
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGAAGCTGCTGAGCTGCGTCTAGGCCCCGGCTCTACAAGATCTACGGGAGAGGGACACGGACC
 GGGCCGCGACCAGCGTCCCGAGACTCCCACTGCCGTCCCGCCGCTCGTCCAGCTCCTGGATTGTA
 TTATCAGCCTCGGGCCTTGAGAAAACATGCCGACAGCATCCTGGCACTGGCCTCAGTCTTCTGGTCCATC
 TCTTATTACTCTCTCCCTTCGCTTCTTCTACCTGTACAGGAAAGTTACTTGAGTTTGTCCAAAGTGG
 TGCCGTTTTCTCACTATGCCGGGACCTTGTGGTACTCCTGGCAGGGGTGGCTGCCTCCGAGGCATCGG
 CCGCTGGACCAACCCCACTACCGACAGTTCATCACCATCTTGAAGCCACACATAGGAACCACTGCGG
 GAAAACAAGAGACAGCTGGCCAATAACTTTGACTTCAGGAGCTGGCCGTCGACTTCCACTGGGAGG
 AGCCAGCAGCCGAAGGGTCCCGAGGTGGCCCTTCCCGAGGGGTGTGGCCCTGCTTCGCCAGAGCC
 TCTGCACCGGGGAACAGCAGACACATTTCTAACAGAGTCAAGAAGCTGCCCTGTCAAATCACCAGCTAT
 CTGGTGGCACACACCTTGGGGCGCCGGATGCTGTACCCAGGCTCCGTGTACCTGTCCAGAAGGCCCTCA
 TGCTGTGCTGCTACAGGGCCAGGCCGACTGGTGAAGAGTGTAAATGGGCGCCGTGCAAAAAGTGTCTGC
 CTGTGACGGCAATGAGATTGACACCATGTTGTGGACCGGGGGGACTGCTGAGCCCCAGGGGCAGAAG
 CTGGTGATCTGCTGTGAGGGGAATGCGGGATTCTACGAAGTGGGTGTGTCTCCACACCCCTAGAAGCTG
 GATATTCTGTCTGGGCTGGAATCATCCAGGCTTTGCTGGGAGCACGGGGTACCATTCCACAGAATGA
 GGCCAATGCCATGGATGTGGTGGTTCAGTTTGCATCCACCGCTGGGCTTCCAGCCCCAGGACATTGTC
 ATCTACGCCTGGTCCATTGGAGGCTTCACTGCCACGTGGGAGCCATGTCTACCCAGACATTAGTGCTG
 TTATCCTGGATGCCTCTTCGACGACTTGGTGCCTTGGCCTTGAAGGTCATGCCGGATAGCTGGCGAGC
 CCTGGTGACCAGGACAGTGAGGCAGCACCTCAACCTCAACAACCGGAGCAGCTGTGCAGTTCCAGGGC
 CCTGTGCTGCTGGTCCGAGAACCAAGGATGAGATCATACCACCACGGTTCCTGAGGACATCATGTCCA
 ACAGAGGCAATGACCTCTGCTGAAGCTCCTGCAGTTCGGTACCTCGAGTGATGACAGAGGAGGGGCT
 CAGAGCTGTGAGGCAGTGGCTGGAGGCTCCTCCAGCTAGAGGAAGCCTCCATTTATAGTCGCTGGGAG
 GTGGATGAGGACTGGTGTGTCTGTGCTTCCGCTCCTACCAGGCAGAGCATGGGCTGATTTCCCTGGA
 GTGTGGGGGAAGACATGAGTGTAGATGGACGGAGGCAACTGGCGCTGTTTCTGGCTCGGAAGCATCTGCA
 CAACTTTGAGGCCACACTGCACTCCACTCCAGCCCAGCACTCCAGATGCCCTGGTGCCT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_212531

Insert Size: 1677 bp

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:

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_212531.2](#), [NP_997696.1](#)

RefSeq Size: 2022 bp

RefSeq ORF: 1677 bp

Locus ID: 361796

UniProt ID: [Q6MG55](#)

Cytogenetics: 20p12

Gene Summary: Phosphatidylserine (PS) lipase that mediates the hydrolysis of phosphatidylserine to generate lysophosphatidylserine (LPS). LPS constitutes a class of signaling lipids that regulates immunological and neurological processes (By similarity). Has no activity towards diacylglycerol, triacylglycerol or lysophosphatidylserine lipase (By similarity). Also has monoacylglycerol lipase activity, with preference for 1-(9Z,12Z-octadecadienoyl)-glycerol (1-LG) and 2-glycerol-15-deoxy-Delta(12,14)-prostaglandin J2 (15d-PGJ(2)-G) (By similarity). [UniProtKB/Swiss-Prot Function]