

Product datasheet for **MR208850**

Abhd16a (NM_178592) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abhd16a (NM_178592) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Abhd16a
Synonyms:	AI326074; Bat-5; Bat5; D17H6S82E; NG26
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR208850 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGAAGCTCCTGAGCTGCGTCTCGGCCCCGGCTCTACAAGATCTACGGGAGAGGGACACGGACC
 GGGCCCGTCCAGCGTCCCGAGACTCCCACTGCCGTCCCGCCGCTCGTCCAGCTCCTGGGATACGTA
 TTATCAGCCTCGGGCCCTGGAGAAACATGCAGACAGCATCCTGGCACTGGCTTCACTTCTGGTCCATC
 TCTTATTACTCCTCTCCCTTCGCTTCTTCTACTTATACAGGAAAGTTACTTGAGTTTGTCCAAAGTGG
 TGCCATTTTCTCACTATGCCGGGACGTTGCTGCTACTACTTGCAGGGTGGCTGCCTCCGAGGCATTGG
 CCGCTGGACCAACCCCAAGTATCGACAGTTCATCACCATTGGAAGCCACACATAGGAACCAAGTCTGCA
 GAAAACAAGAGGCAGCTGGCCAACTATAACTTCGACTTCAGGAGTGGCCAGTCCGACTCCACTGGGAGG
 AGCCAGCAGCCGAAGGGTCCCGAGGTGGCCCTTCCCGAGGGTGTGGCCCTGCTTCGTCAGAGCC
 TCTGCACCGGGAACAGCAGACAGTCTTCAACAGGGTCAAGAAGCTGCCCTGTAGATCACCAGCTAT
 CTGGTGGCACACCTTGGGGCGCCGGATGCTGTACCCAGGCTCCGTGTACCTGTCCAGAAGGCCCTCA
 TGCTGTGCTGCTGCAGGGCCAGGCCGACTGGTGAAGAGTGTAAATGGGCGCCGTGCAAAAAGTCTTGC
 CTGTGATGGTAATGAGATAGACACCATGTTGTGGACCGACGGGGGACAGCTGAGCCCCAGGGGAGAA
 CTGGTCACTGCTGTGAGGGGAATGCAGGATTCTATGAGTGGGCTGTGTCTCCACACCCCTAGAAGCTG
 GCTATTCTGTCTGGGCTGGAATCATCCAGGCTTTCAGGAAGCACGGGGTACCATTCCACAGAACGA
 GGCCAAATGCCATGGATGTGGTGGTTCAGTTGCCATCCACCGCTGGGCTCCAGCCCCAGGACATTGTC
 ATCTACGCCTGGTCCATTGGAGGCTTCACTGCCACGTGGGCAGCCATGTCCTACCCAGACATCAGTGCTG
 TTATCTGGACGCTTCTTCGATGACTTGGTCCCTTGAAGGTGATGCCGGACAGCTGGCCGAGC
 CCTGGTCAACAGGACGGTGAAGCAGCATCTCAACCTCAACAACCTCGGAGCAGCTGTGCAGGTTCCAGGGC
 CCCGTGCTGCTGGTCCGAGAACCAAGGACGAGATCATACCACACGGTCCCTGAGGACATCATGTCCA
 ACAGAGGCAATGACCTCCTGCTGAAGCTCCTGCAGTTCGGTATCCTCGAGTGATGGTGGAGGAGGGCT
 CAGAGCTGTGAGGCAGTGGCTGGAGGCCTTCCAGCTAGAGGAAGCCTCCATTTACAGTCGCTGGGAG
 GTGGAGGAGGACTGGTGTGTCTGTGCTTCCGCTCCTACCAGGCAGAGCATGGGCTGATTTCCCTGGA
 GTGTGGGGGAGGACATGAGTGCAGATGGACGGAGGAGCTGGCGCTGTTCTGGCCCGAAGCATCTACA
 CAACTTTGAGGCCACACTGCACTCCACTCCCGCCAGCACTCCAGATGCCCTGGCACCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208850 protein sequence
 Red=Cloning site Green=Tags(s)

MAKLLSCLVLPRLYKIYRERDTRAASSVPETPTAVPAASSSSWDYYQPRALEKHADSILALASVFSWI
 SYSSPFAFFYLVRKGYLSLKVVPFVSHYAGTLLLLLAGVACLRLGIRWTPQYRQFITILEATHRNQSA
 ENKRQLANYNFDFRSWPVDFHWEPPSSRKGSRGGPSRRGVALLRPEPLHRGTADTFLNRVKKLPCQITSY
 LVAHTLGRRLYPGSVYLLQKALMPVLLQGQARLVEECNGRRAKLLACDGNEIDTMFVDRRGTAEPPQGK
 LVICCEGNAGFYEVGCVSTPLEAGYSVLGWNHPGFAGSTGVFPQNEANAMDVVVQFAIHRLLGFQPDIV
 IYAWSIGGFTATWAAMSPDISAVILDASFDDL VPLALKVMPDSWRALVTRTVRQHLNLNSEQLCRFQG
 PVLLVRRTKDEIITTTVPEDIMSNRGNLKKLLQFRYPYRVMVEEGLRAVRQWLEASSQLEEASIYSRWE
 VEEDWCVSVLRSYQAEHGPDPFWSVGEDMSADGRRQLALFLARKHLHNFEATHCTPLPAQHFQMPWHL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_178592

ORF Size: 1677 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_178592.2](#)
RefSeq Size: 1945 bp

RefSeq ORF: 1677 bp

Locus ID: 193742

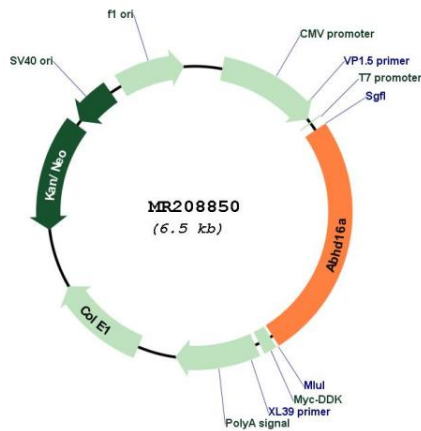
UniProt ID: [Q9Z1Q2](#)

Cytogenetics: 17 18.59 cM

MW: 63.1 kDa

Gene Summary: Phosphatidylserine (PS) lipase that mediates the hydrolysis of phosphatidylserine to generate lysophosphatidylserine (LPS) (PubMed:25580854). LPS constitutes a class of signaling lipids that regulates immunological and neurological processes (PubMed:25580854). 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) (PubMed:25290914). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208850