

Product datasheet for **RR205292**

Abhd16a (NM_212531) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR205292 representing NM_212531
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGAAGCTGCTGAGCTGCGTCTAGGCCCCGGCTCTACAAGATCTACGGGAGAGGGACACGGACC
 GGGCCGCGACCAGCGTCCCGAGACTCCCACTGCCGTCCCGCCGCTCGTCCAGCTCCTGGATTGTA
 TTATCAGCCTCGGGCCTTGAGAAAACATGCCGACAGCATCCTGGCACTGGCCTCAGTCTTCTGGTCCATC
 TCTTATTACTCTCTCCCTTCGCTTCTTCTACCTGTACAGGAAAGTTACTTGAGTTTGTCCAAAGTGG
 TGCCGTTTTCTCACTATGCCGGGACCTTGTGGTACTCCTGGCAGGGGTGGCTGCCTCCGAGGCATCGG
 CCGCTGGACCAACCCCACTACCGACAGTTCATCACCATCTTGAAGCCACACATAGGAACCACTGCGG
 GAAAACAAGAGACAGCTGGCCAACTATAACTTTGACTTCAGGAGCTGGCCGTCGACTTCCACTGGGAGG
 AGCCAGCAGCCGAAGGGTCCCGAGGTGGCCCTTCCCGAGGGGTGTGGCCCTGCTTCGCCCAGAGCC
 TCTGCACCGGGAACAGCAGACACATTTCTTAACAGAGTCAAGAAGCTGCCCTGTCAAATCACCAGCTAT
 CTGGTGGCACACACCTTGGGGCGCCGGATGCTGTACCCAGGCTCCGTGTACCTGTCCAGAAGGCCCTCA
 TGCTGTGCTGCTACAGGGCCAGGCCGACTGGTGAAGAGTGTAAATGGGCGCCGTGCAAAAAGTGTCTGC
 CTGTGACGGCAATGAGATTGACACCATGTTTGTGGACGGCGGGGACTGCTGAGCCCCAGGGGAGAGG
 CTGGTGATCTGCTGTGAGGGGAATGCGGGATTCTACGAAGTGGGTGTGTCTCCACACCCCTAGAAGCTG
 GATATTCTGTCTGGGCTGGAATCATCCAGGCTTTGCTGGGAGCACGGGGTACCATTCCACAGAATGA
 GGCCAATGCCATGGATGTGGTGGTTCAGTTGCCATCCACCGCTGGGCTTCCAGCCCCAGGACATTGTC
 ATCTACGCCTGGTCCATTGGAGGCTTCACTGCCACGTGGGCAGCCATGCTCTACCCAGACATTAGTGCTG
 TTATCCTGGATGCCTCCTTCGACGACTTGGTGCCTTGAAGGTGATGCCGGATAGCTGGCGAGC
 CCTGGTGACCAGGACAGTGAGGCAGCACCTCAACCTCAACAACCGGGAGCAGCTGTGCAGGTTCCAGGGC
 CCTGTGCTGCTGGTCCGAGAACCAAGGATGAGATCATACCACCACGGTTCCTGAGGACATCATGTCCA
 ACAGAGGCAATGACCTCCTGCTGAAGCTCCTGCAGTTCGGTACCTCGAGTGATGACAGAGGAGGGGCT
 CAGAGCTGTGAGGCAGTGGCTGGAGGCCTCCTCCAGCTAGAGGAAGCCTCCATTTATAGTCGCTGGGAG
 GTGGATGAGGACTGGTGTGTCTGTGCTTCTGCTCCTACCAGGCAGAGCATGGGCTGATTTCCCTGGA
 GTGTGGGGGAAGACATGAGTGTAGATGGACGGAGGCAACTGGCGCTGTTTCTGGCTCGGAAGCATCTGCA
 CAACTTTGAGGCCACACTGCACTCCACTCCAGCCCAGCACTCCAGATGCCCTGGTGCCTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR205292 representing NM_212531
 Red=Cloning site Green=Tags(s)

MAKLLSCLVLPRLYKIYRERDTRAAATSVPETPTAVPAASSSSWDSYYQPRALEKHADSILALASVFSWI
 SYSSPFAFFYLRYKGYLSLKVVPFVSHYAGTLLVLLAGVACLRIGRWTPQYRQFITILEATHRNQSA
 ENKRQLANYNFDFRSWPVDFHWEPSRKGSRGGPSRRGVALLRPEPLHRGTADTFLNRVKKLPCQITSY
 LVAHTLGRMLYPGSVYLLQKALMPVLLQGQARLVEECNGRRAKLLACDGNEIDTMFVDRRGTAEPPQGK
 LVICCEGNAGFYEVGCVSTPLEAGYSVLGWNHPGFAGSTGVPPQNEANAMDVVVQFAIHRLLGFQPDIV
 IYAWSIGGFTATWAAMSPDISAVILDASFDDL VPLALKVMPDSWRALVTRTVRQHLNNAEQLCRFQG
 PVLLVRRTKDEIITTTVPEDIMSNRGNL LLLKLLQFRYPRVMTEEGLRAVRQWLEASSQLEASIYSRWE
 VDEDWCVSVLRSYQAEHGPDPFWSVGEDMSVDGRRQLALFLARKHLHNFEATHCTPLPAQHFQMPWCL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

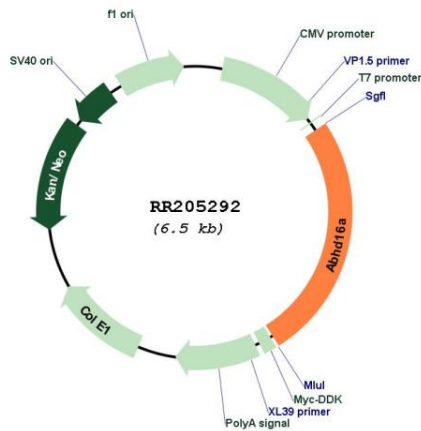
Sgfl-MluI

Cytogenetics: 20p12

MW: 63 kDa

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]

Product images:



Circular map for RR205292