

Product datasheet for MR204987

Abhd6 (NM_025341) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abhd6 (NM_025341) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Abhd6
Synonyms:	0610041D24Rik; AA673485; AV065425
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204987 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCTCGATGTGGTTAACATGTTTGTGATTGCGGGTGGGACCCTGGCCATTCCAATCCTGGCATTG
TTGCGTCTTCTCCTGTGGCCTTCAGCACTGATAAGAATCTATTATTGGTACTGGCGGAGGACTGG
CATGCAAGTTCGCTACGCACACCATGAGGACTATCAGTTCTGTTACTCCTCCGGGGCAGGCCAGGACAC
AAGCCATCTATCCTTATGCTCCATGGATTCTCCGCACACAAGGACATGTGGCTCAGCGTGGTCAAGTTCC
TTCCGAAGAACCTGCACTTGGTCTGTGTGGACATGCCTGGCATGAAGGCACTACCCGCTCCTCCCTGGA
TGACCTGTCCATAGTGGGACAAGTAAAAGGATACATCAGTTTGTAGAATGCCTTAAGCTGAACAAAAAG
CCCTTTCACCTTATAGGCACCTCCATGGGTGGCCACGTGGCTGGAGTATATGCCGCTTACTACCCATCTG
ATGTCTGCAGCCTGTCTCTCGTGTGTCCTGCTGGCCTGCAGTATCAACTGACAATCCTTTTGTACAACG
GCTCAAAGAGCTGGAGGAGTCAGCTGCCATTGAGAAGATCCCTTGATCCCATCCACCCCGAAGAGATG
AGTGAGATGCTGCAGCTCTGCTCCTATGTCCGCTCAAGGTGCCCCAGCAGATCCTTCAAGGTCTTGTG
ATGTTTCGATTCCTCATAACAGCTTCTACCGAAATTGTTTTGGAAATCGTCAATGAGAAATCCAGATA
CTCTCTGCATGAGAATATGGACAAGATCAAGTCCCAGACAGATCATTGGGGGAAACAAGACCAGGTG
CTTGATGTGTCGGGGCAGACATATTAGCCAAGTCAATCTCTAACTCCCAGGTAGAGGTTCTGGAAAAT
GTGGCCATTCGGTAGTGATGGAGAGACCGAGGAAGACGCAAGTCAATGTCGACTTTTGTAGCTTCTGT
GCATAACACAGACAACAAGAAGCTGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204987 protein sequence
Red=Cloning site Green=Tags(s)

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MDLDVVMFVIAGGTLAIPILAFVASFLLWPSALIRIYYWYWRRTLGMQVRYAHHEDYQFCYSFRGRPGH
KPSILMLHGFSAHKDWL SVVKFLPKNLHLVCVDMPGHEGTRSSLDDL SIVGQVKRIHQFVECLKLNKK
PFHLIGTSMGGHVAGVYAAAYPSDVCSLSLVCAPAGLQYSTDNPFVQRLKEEESAATQKIPLIPSTPEEM
SEMLQLCSYVRFKVPQQILQGLVDVRIPHNSFYRKLFL EIVNEKSRYSLHENMDKIKVPTQIIWGKQDQV
LDVSGADILAKSISNSQVEVLENCGHSVVMERPRKTAKLIVDFLASVHNTDNKKLN
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_025341

ORF Size: 1011 bp

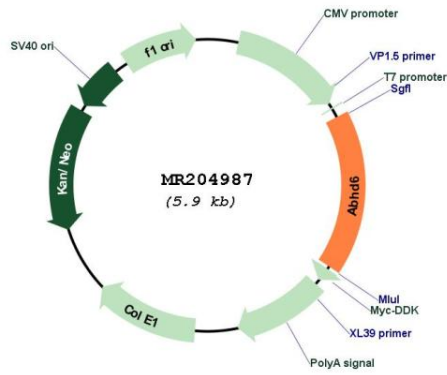
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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.

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:	<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:	<u>NM_025341.1</u> , <u>NM_025341.2</u> , <u>NM_025341.3</u> , <u>NM_025341.4</u> , <u>NP_079617.2</u>
RefSeq Size:	2018 bp
RefSeq ORF:	1011 bp
Locus ID:	66082
UniProt ID:	<u>Q8R2Y0</u>
Cytogenetics:	14 A1
MW:	38.2 kDa
Gene Summary:	Lipase that preferentially hydrolysis medium-chain saturated monoacylglycerols including 2-arachidonoylglycerol (PubMed:18096503, PubMed:20657592). Through 2-arachidonoylglycerol degradation may regulate endocannabinoid signaling pathways (PubMed:18096503, PubMed:20657592). Also has a lysophosphatidyl lipase activity with a preference for lysophosphatidylglycerol among other lysophospholipids (PubMed:24095738). Also able to degrade bis(monoacylglycero)phosphate (BMP) and constitutes the major enzyme for BMP catabolism (PubMed:26491015). BMP, also known as lysobisphosphatidic acid, is enriched in late endosomes and lysosomes and plays a key role in the formation of intraluminal vesicles and in lipid sorting (PubMed:26491015).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204987