

Product datasheet for MR206458

Abhd3 (NM_134130) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Abhd3 (NM_134130) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Abhd3
Synonyms: AA675331; LABH3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR206458 representing NM_134130
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGCGCCTGGCCATGGACCTGCGGGTGTGTCCCGGAGCTGGCGCTCTACCTGGAGCACCAGGTTCC
 GCGTCGGCTTCTTCGGCTCGGGCGTGGGCTTGTCACTGATCTTGGGATTCAGCGTTGCCTATGCTTGCTA
 CTACCTGAGTAGCATTGCCAAGAAACCCAGTTAGTGATTGGAGGGGAGAGTTTCAGCCGCTTCTACAG
 GACCACTGTCCCGTGGTACAGAAACCTATTACCCGACGGTCTGGTGTGGAGAGCCGAGGACAGACAT
 TGCTGAGACCCCTTCATCACTTCCAAACCCCGGTGCAATACAGGAACGAACCTATTAACAACTGCAGACGG
 AGGACAGATCTCACTGGACTGGTTTGATAACAATAACAGTGCGTACTATGTGGATGCCAGCACCAGACCT
 ACTATCTTGCTCTTGCCCTCACTGGAACAAGCAAGGAATCCTACATCCTTCATATGATCCATCTCA
 GTGAAGAATTAGGATACAGGTGTGTGGTTTTTAATAACAGAGGAGTAGCAGGAGAAAAGTCTCTTGACACC
 ACGGACTTACTGCTGTGCGAACACTGAAGACTTGGAGGCCGTCGTCACCCACGTGCACAGCCTGTACCCCT
 GGGGCTCCTTTCTGGCAGCAGGCGTATCAATGGGAGGAATGCTGCTTCTGAATTACTTGGGTAATAATG
 GGTCCAAAACCCCTCTGATGGCTGCTGCAACGTTTTCGGTTGGCTGGAACACTTTCGCTTGCTCAGAGTC
 TCTGGAGAGGCCGCTGAACCTGGCTACTTTTTAATTACTACTTAACAACCTGCCTCCAGTCATCAGTTAAG
 AAGCACCGGCATATGTTTGTGGAGCAGATTGACATGGATCAGGTCATGAAGGCCAAGTCGATCAGAGAGT
 TTGATAAGCGGTTACCGCGGTTCATGTTTGGGTACCGCACACTCGATGATTACTACACCGATGCCAGTCC
 AAACCGCAGGCTGAAGTCAGTGGGAATCCTGTTCTGTGCTGAATGCTACGGACGACGTGTTCTCACCC
 AGCCATGCTATCCAATAGAACTGCTAAACAAAACCTAACGTGGCTTTGGTCTTACAGCCTATGGAG
 GCCATATTGGTTTTCTGGAGGGAATCTGGCCTAGGCAATGCACCTTACATGGATCGAGTCTTCAAGCAATT
 TGTACAGGCCATGGTTGAGCACGGACATGAACTCTCCAACATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR206458 representing NM_134130
Red=Cloning site Green=Tags(s)

MQRLAMDLRVLSRELALYLEHQVRVGGFFGSGVGLSLILGFSVAYACYLSSIAKKPQLVIGGESFSRFLQ
 DHCPVVTETYYPTVWCWESRGQTLLRPFITSKPPVQYRNELIKTADGGQISLDWFDNNSAYYVDASTRP
 TILLPLGTGTSKESYLHMIHLSEELGYRCVFNRRGVAGESLLTPRTYCCANTEDLEAVVHHVHSLYP
 GAPFLAAGVSMGMLLLNLYLKGIGSKTPLMAAATF SVGWNTFACSESLERPLNWLFFNYLTTCLQSSVK
 KHRHMFVEQIDMDQVMKAKSIREFDKRF TAVMFGYRTLDDYYTDA SPNRRLLKSVGIPVLCNATDDVFS
 SHAIPDIETAKQNPVALVLTAYGGHIGFLEGIWPRQCTYMDRVFKQFVQAMVEHGHEL SNM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9018_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_134130

ORF Size: 1233 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_134130.1](#), [NP_598891.1](#)

RefSeq Size: 1903 bp

RefSeq ORF: 1236 bp

Locus ID: 106861

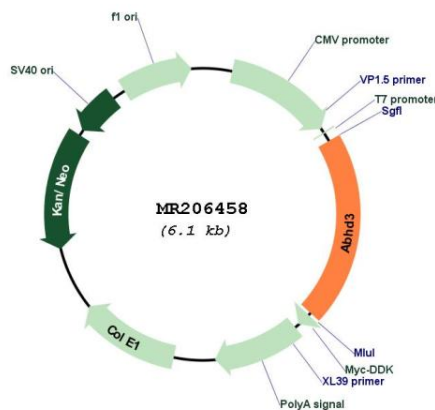
UniProt ID: [Q91ZH7](#)

Cytogenetics: 18 A1

MW: 46.7 kDa

Gene Summary: Phospholipase that may play a role in phospholipids remodeling. May selectively cleave myristate (C14)-containing phosphatidylcholines through its predominant phospholipase 1 activity, cleaving preferentially acyl groups in sn1 position. In parallel, may have a minor phospholipase 2 activity acting on acyl groups in position sn2. In addition to (C14)-containing phosphatidylcholines, may also act on other medium-chain-containing and oxidatively truncated phospholipids.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR206458