

Product datasheet for **MR219043**

Abhd17b (NM_146096) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Abhd17b (NM_146096) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Abhd17b
Synonyms: 5730446C15Rik; Cgi67; Fam108b; Fam108b1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR219043 representing NM_146096
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATAATCTGTCATTTAGTGAGCTATGTTGCCCTTTCTGCTGTCCACCTTGCCAGGGAAAATTGCTT
CAAACTAGCATTCTTGCCACCTGATCCAATTACACACTGATGTGTGATGAAAGTGAAGCCGCTGGAC
CTTACACCTGTCAGAGCGAGCAGACTGGCAGTACTCGTCCGAGAAAAAGATGCTATTGAGTGTTCATG
ACAAGAACCAGTAAAGGCAACAGAATTGCTTGTATGTTTGTGCGTTGTTACCAAATGCTAAGTACCT
TACTCTTCTCACATGAAATGCTTGTGATCTTGGTCAGATGAGCAGTTTTATATAGGTCTGGGTTCCCG
CATTAAATTGTAACATATTCTCCTATGACTACTCCGGATATGGTGCTAGTTCTGGAAAGCCAACAGAGAAG
AACCTGTATGCAGATGTGGAAGCTGCCTGGCTGGCTCTTCGGACAAGATACGGCATTTCGCTGAAAATG
TGATTATATAGGCCAGAGCATAGGGACAGTGCCATCTGTGGACCTGGCTGCTCGCTATGAGAGTCTGC
TGTTATTCTTCATTCTCCTCTCACCTCAGGAATGCGAGTTGCTTTCCCTGATACTAAGAAGACCTACTGT
TTTGATGCATTCCTAACATTGACAAAATCTCTAAGATAACCTCTCCAGTATTAATAATTCACGGGACTG
AAGATGAAGTCATTGACTTTTCCATGGCCTCGCATTGTTTGAGCGCTGCCAAAGACCTGTGGAGCCCT
GTGGGTTGAAGGGGCAGGACACAATGACGTGGAGCTTTATGGACAATACCTTGAGAGGTTAAAACAGTTC
GTGTCACAGGAAGTGGTAAATTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR219043 representing NM_146096
Red=Cloning site Green=Tags(s)

MNLSFSELCCFLCCPPCPGKIASKLAFLLPPDPTYTLMCDESGSRWTLHLSERADWQYSSREKDAIECFM
 TRTSKGNRIACMFVRCSPNAKYTLFVSHGNAVDLGMSSFYIIGLSRINCNIIFYDYSYGYGASSGKPTK
 NLYADVEAAWLALRTRYGIRPENVIYQSIGTVPSVDLAARYESAIVLHSPLTSGMRVAFPDTKKTYC
 FDAFPNIDKISKITSPVLIHGTEDVIDFVSHGLALFERCQRPVEPLWVEGAGHNDVELYQYLERLKQF
 VSQELVNL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9064_e11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_146096

ORF Size: 864 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_146096.3](#), [NP_666208.2](#)

RefSeq Size: 2475 bp

RefSeq ORF: 867 bp

Locus ID: 226016

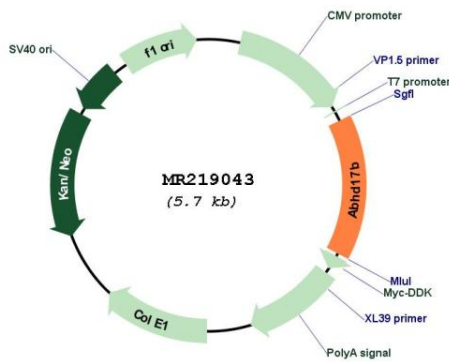
UniProt ID: [Q7M759](#)

Cytogenetics: 19 B

MW: 32.2 kDa

Gene Summary: Hydrolyzes fatty acids from S-acylated cysteine residues in proteins (PubMed:27307232). Has depalmitoylating activity towards DLG4/PSD95 (PubMed:27307232). Has depalmitoylating activity towards GAP43 (PubMed:27307232). Has depalmitoylating activity towards MAP6 (PubMed:28521134). Has depalmitoylating activity towards NRAS (By similarity). [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR219043