

Product datasheet for **MG204398**

Abhd17a (NM_145421) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Abhd17a (NM_145421) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Abhd17a
Synonyms: 1700013O15Rik; BC005632; D10Bwg1364e; Fam108a
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204398 representing NM_145421
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAACGGCCTGTCGGTGAGCGAGCTCTGCTGCCTGTTCTGCTGCCACCCTGCCGGGCCGCATCGCTG
 CCAAGCTCGCCTTCCTGCCTCCCGATCCCACCTACTCTCTGGTACCTGAACCTGAGCCGGGGCCCGGTGG
 GGCTGGCGCTGCCCCCTCGGGTCCCTGCGGACCTCAGCGGCCACACCCGGGCGCTGGAAGATCCACCTG
 ACGGAGCGTGCTGACTTCCAGTACGGCCAGCGCGAGCTGGATACCATCGAGGTCTTCGTGACCAAGAGCG
 CGCGGCCAACCGCATCGCCTGCATGTATGTGCGCTGTGTACCGGTGCCAGGTACACGGTTCTCTTCTC
 GCATGGCAATGCAGTGGACCTGGGCCAGATGTGCAGTTCATGTGGCCTGGGCACACGCATCGGCTGC
 AACATCTTCTTATGACTACTCTGGCTATGGGATCAGCTCTGGCCGGCCCTCGGAGAAGAACCTCTATG
 CTGACATTGATGCAGCCTGGCAGGCCCTGCGTACCAGGTATGGCATCAGCCAGACAGTATCATCTGTAT
 TGGCCAGAGCATTGGCACTGTGCCACAGTGGATCTGGCGTCACGCTACGAGTGTGCTGCAGTGGTTCTG
 CACTCGCCTCTCACCTCGGGCATGCGGGTGGCCTCCCTGACACCAAGAAGACCTACTGCTTCGATGCTT
 TCCCTAACATCGAGAAGGTGTCGAAGATCACGTACCGGTGCTCATCATCCAGGCACAGAGGACGAGGT
 GATCGACTTCTCACGGGCTGGCACTGTATGAGCGTGCCCAAAGGCTGTGGAGCCGCTGTGGGTGGAG
 GGCGCTGGGCACAATGACATTGAGCTGTACAGTCAATACCTGGAGCGCCTACGCCGCTTCATTTCCAGG
 AGCTGCCAGCCAACGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204398 representing NM_145421
 Red=Cloning site Green=Tags(s)

MNGLSVSELCCFLCCPPCPGRIAAKLAFLPPDPTYSLVPEPEPGPGGAGAAPSGPLRTSAATPGRWKIHL
 TERADFQYQRELDTIEVFVTKSARANRIACMYVRCVPGARYTVLFSHGNAVDLGMCSFYVGLGTRIGC
 NIFSYDYSYGYISSGRPSEKNLYADIDAAWQALRTRYGISPDSEIILYQSIGTVPTVDLASRYECAAVVL
 HSPLTSGMRVAFPDTKKTYCFDAFPNIEKVSKITSPVLIIHGTEDEVIDFSHGLALYERCPKAVEPLWVE
 GAGHNDIELYSQYLERLRRFISQELPSQRA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_145421

ORF Size: 930 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_145421.2](#)

RefSeq Size: 1461 bp

RefSeq ORF: 933 bp

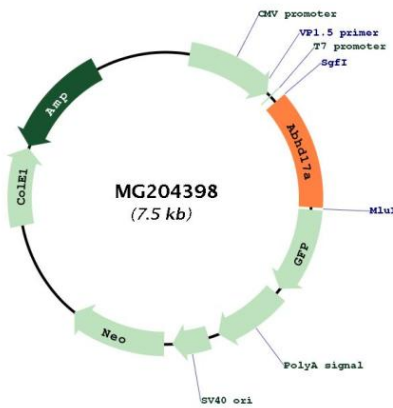
Locus ID: 216169

UniProt ID: [Q99JW1](#)

Cytogenetics: 10 39.72 cM

Gene Summary: Hydrolyzes fatty acids from S-acylated cysteine residues in proteins. Has depalmitoylating activity towards NRAS. Has depalmitoylating activity towards DLG4/PSD95. May have depalmitoylating activity towards MAP6.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG204398