

## Product datasheet for **RC203884**

### FAM108A1 (ABHD17A) (NM\_031213) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FAM108A1 (ABHD17A) (NM_031213) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FAM108A1
Synonyms:	C19orf27; FAM108A1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC203884 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATGGGCTGTCGCTGAGTGAGCTCTGCTGCCTTTCTGCTGCCCGCCCTGCCCGGCCGCATCGCTG  
CCAAGCTCGCCTTCTGCCGCGGAGGCCACTACTCCCTGGTGCCTGAGCCGAGCCGGGGCTGGTGG  
GGCCGGGGCCGCCCTTGGGGACCTGAGAGCCTCCTCGGGCGCACCCGGGCGCTGGAAGCTGCACCTG  
ACGGAGCGTGCCGACTTCCAGTACAGCCAGCGGAGCTGGACACCATCGAGGTCTTCCCCACCAAGAGCG  
CCCGCGCAACCGCGTCTCCTGCATGTATGTTGCTGCGTGCCTGGTGCAGACAAGGACACCAGGCTCA  
GGGAGGCCATCCCAGCTGGCATGGGTGGCAGGCTGGGCGACTCCAACAACCCAGCGCCTGGTGGTTGC  
CTGCTGGGCGAGAGCTGGGGCACAGGGGTGCCCTGGCCTGCGGGTACATCCACCTTCTCGCCAGGTACA  
CGGTCTCTTCTCGCACGGCAATGCCGTGGACCTGGGCCAGATGAGCAGCTTCTACATTGGCCTGGGCTC  
CCGCTCCACTGCAACATCTTCTCTACGACTACTCCGGCTACGGTGCCAGCTCGGGCAGGCCTTCCGAG  
AGGAACCTCTATGCCGACATCGACGCGCCTGGCAGGCCCTGCGCACCAGGTACGGCATCAGCCGGACA  
GCATCATCCTGTACGGGCAGAGCATCGGCACGGTCCCACCGTGGACCTGGCCTCGCGCTACGAGTGTGC  
CGCGGTGGTGTCACTCGCCGCTCACCTCGGGCATGCGCGTGCCTTCCCCGACACCAAGAAGACCTAC  
TGCTTCGACGCCCTCCCTAACATCGAGAAGGTGTTCAAGATCACGTCTCCCGTGCATCATCCAGGCA  
CGGAGGACGAGGTGATCGACTTCTCGCACGGGCTGGCGCTCTACGAGCGCTGCCCAAGGCGGTGGAGCC  
GCTGTGGGTGGAGGGCGCCGGGCAACGACATCGAGCTCTACAGCCAGTACCTGGAGCGCCTGCGTCGC  
TTCATCTCCAGGAGCTGCCAGCCAGCGCGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTAA



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**Protein Sequence:** >RC203884 protein sequence  
Red=Cloning site Green=Tags(s)

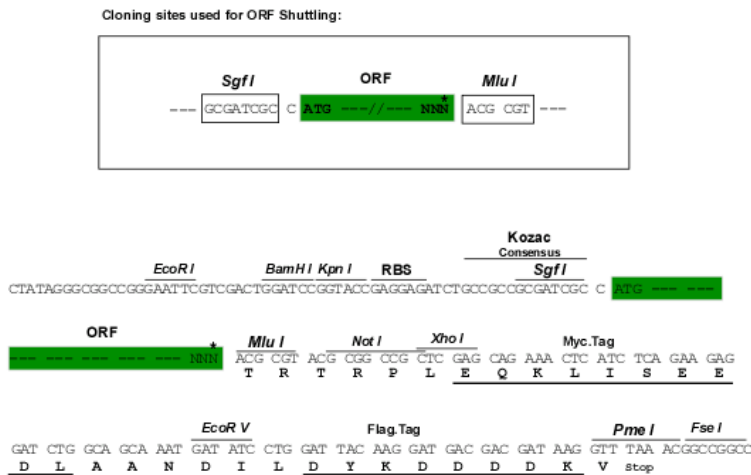
MNGLSLSLSELCCFLCCPPCPGRIAAKLAFLPPEATYSLVPEPEPGPGGAGAAPLGLTRASSGAPGRWKLHL  
 TERADFQYSQRELDITIEVFPTKSARGNRVSCMYVRCVPGARQGHQAQGGHPQLAWVGRGDSNNPAPGGC  
 LLGESWGTGAALACGYIHLLARYTVLFSHGNAVDLQOMSSFYIGLGSRLHCNIFSYDYSYVASSGRPSE  
 RNLYADIDAAWQALRTRYGISPDSIILYQSIGTVPTVDLASRYECAAVVLHSPLTSGMRVAFPDTKKTY  
 CFDAFPNIEKVKITSPVLIHGTEDVIDF SHGLALYERCPKAVEPLWVEGAGHNDIELYSQYLERLR  
 FISQELPSQRA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6130\\_f11.zip](https://cdn.origene.com/chromatograms/mk6130_f11.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_031213

**ORF Size:** 1083 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\\_031213.2](#), [NP\\_112490.2](#)

**RefSeq Size:** 1731 bp

**RefSeq ORF:** 1086 bp

**Locus ID:** 81926

**UniProt ID:** [Q96GS6](#)

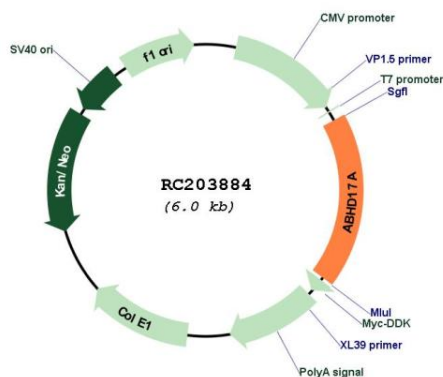
**Cytogenetics:** 19p13.3

**Protein Families:** Protease

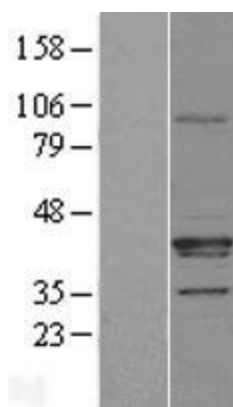
**MW:** 39.1 kDa

**Gene Summary:** Hydrolyzes fatty acids from S-acylated cysteine residues in proteins (PubMed:26701913). Has depalmitoylating activity towards NRAS (PubMed:26701913). Has depalmitoylating activity towards DLG4/PSD95 (PubMed:26701913). May have depalmitoylating activity towards MAP6 (By similarity).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RC203884



Western blot validation of overexpression lysate (Cat# [LY403109]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203884 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).