

## Product datasheet for **RG203884**

### 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:	TurboGFP
Symbol:	FAM108A1
Synonyms:	C19orf27; FAM108A1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203884 representing NM_031213 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATGGGCTGTCGCTGAGTGAGCTCTGCTGCCTTTCTGCTGCCCGCCCTGCCCGGCCGCATCGCTG  
CCAAGCTCGCCTTCTGCCGCGGAGGCCACTACTCCCTGGTGCCTGAGCCGAGCCGGGGCTGGTGG  
GGCCGGGGCCGCCCTTGGGGACCTGAGAGCCTCTCGGGCGCACCCGGGCGCTGGAAGCTGCACCTG  
ACGGAGCGTGCCGACTTCCAGTACAGCCAGCGCGAGCTGGACACCATCGAGGTCTTCCCCACCAAGAGCG  
CCCGCGCAACCGCGTCTCCTGCATGTATGTTTCGCTGCGTGCCTGGTGCAGACAAGGACACCAGGCTCA  
GGGAGGCCATCCCAGCTGGCATGGGTGGCAGGCTGGGCGACTCCAACAACCCAGCGCCTGGTGGTTGC  
CTGCTGGGCGAGAGCTGGGGCACAGGGGTGCCCTGGCCTGCGGGTACATCCACCTTCTCGCCAGGTACA  
CGGTCTCTTCTCGCACGGCAATGCCGTGGACCTGGGCCAGATGAGCAGCTTCTACATTGGCCTGGGCTC  
CCGCTCCACTGCAACATCTTCTCTACGACTACTCCGGCTACGGTGCCAGCTCGGGCAGGCCTTCCGAG  
AGGAACCTCTATGCCGACATCGACGCGCCTGGCAGGCCCTGCGCACCAGGTACGGCATCAGCCGGACA  
GCATCATCCTGTACGGGACAGCATCGGCACGGTCCCGACCGTGGACCTGGCCTCGCGCTACGAGTGTGC  
CGCGGTGGTGTGCACTCGCCGCTCACCTCGGGCATGCGCGTTCGCTTCCCCGACACCAAGAAGACCTAC  
TGCTTCGACGCCCTCCCTAACATCGAGAAGGTGTTCAAGATCACGTCTCCCGTGCATCATCCAGGCA  
CGGAGGACGAGGTGATCGACTTCTCGCACGGGCTGGCGCTCTACGAGCGCTGCCCAAGGCGGTGGAGCC  
GCTGTGGGTGGAGGGCGCCGGGCAACGACATCGAGCTTACAGCCAGTACCTGGAGCGCCTGCGTCG  
TTCATCTCCAGGAGCTGCCAGCCAGCGCGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG203884 representing NM\_031213  
 Red=Cloning site Green=Tags(s)

MNGLSLSLCCFLCPCPPCGRIAAKLAFLLPPEATYSLVPEPEPGPGGAGAAPLGLTRASSGAPGRWKLHL  
 TERADFQYSQRELDITIEVFPTKSARGNRVSCMYVRCVPGARQGHQAQGGHPQLAWVGRGDSNNPAPGGC  
 LLGESWGTGAALACGYIHLLARYTVLFSHGNAVDLQMSFYIGLGSRLHCNIFSYDYSYGYGASSGRPSE  
 RNLYADIDAAWQALRTRYGISPDSIILYQSIGTVPTVDLASRYECAAVVLHSPLTSGMRVAFPDTKKTY  
 CFDAFPNIEKVSKITSPVLIHGTEDVIDF SHGLALYERCPKAVEPLWVEGAGHNDIELYSQYLERLR  
 FISQELPSQRA

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**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:** 1645 bp

**RefSeq ORF:** 1086 bp

**Locus ID:** 81926

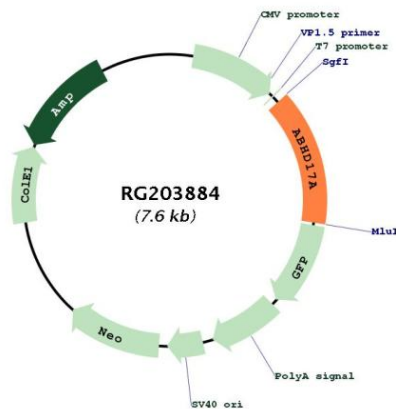
**UniProt ID:** [Q96GS6](#)

**Cytogenetics:** 19p13.3

**Protein Families:** Protease

**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 RG203884