

## Product datasheet for **RG225436**

### **FAM108A1 (ABHD17A) (NM\_001130111) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** FAM108A1 (ABHD17A) (NM\_001130111) 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:** >RG225436 representing NM\_001130111  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAATGGGCTGTCGCTGAGTGAGCTCTGCTGCCTCTTCTGCTGCCCGCCCTGCCCGGCCGATCGCTG  
 CCAAGCTCGCCTTCCTGCCGCGGAGGCCACTACTCCCTGGTGCCTGAGCCGAGCCGGGGCTGGTGG  
 GGCCGGGGCCGCCCTTGGGGACCTGAGAGCCTCCTCGGGCGCACCCGGGCGTGGAAGCTGCACCTG  
 ACGGAGCGTGCCGACTTCCAGTACAGCCAGCGCGAGCTGGACACCATCGAGGTCTTCCCCACCAAGAGCG  
 CCCGCGCAACCGCGTCTCCTGCATGTATGTTGCTGCGTGCCTGGTGCAGGTACACGGTCTTCTC  
 GCACGGCAATGCCGTGGACCTGGGCCAGATGAGCAGCTTCTACATTGGCCTGGGCTCCCGCTCCACTGC  
 AACATCTTCTCCTACGACTACTCCGGCTACGGTGCAGCTCGGGCAGGCTTCCGAGAGGAACCTCTATG  
 CCGACATCGACGCCGCTGGCAGGCCCTGCGCACCAGGTACGGCATCAGCCCGGACAGCATCATCTGTA  
 CGGGCAGAGCATCGGCACGGTGGCCACCGTGGACCTGGCCTCGCGCTACGAGTGTGCCGCGGTGGTGTG  
 CACTCGCCGCTCACCTCGGGCATGCGCGTGCCTTCCCCGACACCAAGAAGACCTACTGCTTCGACGCT  
 TCCCTAACATCGAGAAGGTGCAAGATCACGTCTCCCGTGTCTATCATCCACGGCACGGAGGACGAGGT  
 GATCGACTTCTCGACGGGCTGGCGCTACGAGCGTGCCCCAAGGCGGTGGAGCCGCTGTGGTGGAG  
 GGCGCCGGGCACAACGACATCGAGCTCTACAGCCAGTACCTGGAGCGCTGCGTCCGTTTCATCTCCAGG  
 AGCTGCCAGCCAGCGCGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG225436 representing NM\_001130111  
 Red=Cloning site Green=Tags(s)

MNGLSLSLCCFLCPCPPCGRIAAKLAFLPPEATYSLVPEPEPGPGGAGAAPLGLTRASSGAPGRWKLHL  
 TERADFQYSQRELDLIEVFPTKSARGNRVSCMYVRCVPGARYTVLFSHGNAVDLGMSSFYIGLGSRLHC  
 NIFSYDYSYGYGASSGRPSEPNLYADIDAAWQALRTRYGISPDSEIILYQSIGTVPTVDLASRYECAA  
 VVLSPLTSGMRVAFPDTKKTYCFDAFPNIEKVSKITSPVLI IHGTEDEVIDF SHGLALYERCPKAVEPLWVE  
 GAGHNDIELYSQYLERLRRFISQELPSQRA

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001130111

**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\\_001130111.2](#)

**RefSeq Size:** 1578 bp

**RefSeq ORF:** 933 bp

**Locus ID:** 81926

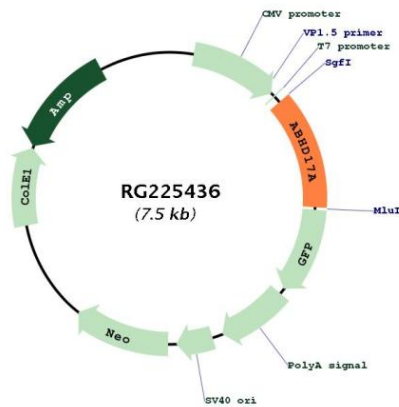
**UniProt ID:** [Q96GS6](#)

**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 RG225436