

## Product datasheet for **RC225436**

### **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:** 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:** >RC225436 representing NM\_001130111  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAATGGGCTGTCGCTGAGTGAGCTCTGCTGCCTTTCTGCTGCCCGCCCTGCCCGGCCGATCGCTG  
CCAAGCTCGCCTTCCTGCCGCGGAGGCCACTACTCCCTGGTGCCTGAGCCGAGCCGGGGCTGGTGG  
GGCCGGGGCCGCCCTTGGGGACCCTGAGAGCCTCCTCGGGCGCACCCGGGCGTGGAAGCTGCACCTG  
ACGGAGCGTGCCGACTTCCAGTACAGCCAGCGCGAGCTGGACACCATCGAGGTCTTCCCCACCAAGAGCG  
CCCGCGGCAACCGCGTCTCCTGCATGTATGTTGCTGCGTGCCTGGTGCCAGGTACACGGTCTTCTC  
GCACGGCAATGCCGTGGACCTGGGCCAGATGAGCAGCTTCTACATTGGCCTGGGCTCCCGCTCCACTGC  
AACATCTTCTCCTACGACTACTCCGGCTACGGTGCAGCTCGGGCAGGCTTCCGAGAGGAACCTCTATG  
CCGACATCGACGCCGCTGGCAGGCCCTGCGCACCAGGTACGGCATCAGCCCGGACAGCATCATCTGTGTA  
CGGGCAGAGCATCGGCACGGTGGCCACCGTGGACCTGGCCTCGCGCTACGAGTGTGCCGCGGTGGTGTG  
CACTCGCCGCTCACCTCGGGCATGCGCGTGCCTTCCCCGACACCAAGAAGACCTACTGTTGACGCGCT  
TCCCTAACATCGAGAAGGTGTCCAAGATCACGTCTCCCGTGTCTATCATCCACGGCACGGAGGACGAGGT  
GATCGACTTCTCGACGGGCTGGCGCTACGAGCGTGCCCCAAGGCGGTGGAGCCGCTGTGGTGGAG  
GGCGCCGGGCACAACGACATCGAGCTCTACAGCCAGTACCTGGAGCGCTGCGTCTCATCTCCAGG  
AGCTGCCAGCCAGCGGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC225436 representing NM\_001130111  
Red=Cloning site Green=Tags(s)

MNGLSLSLCCFLCPCPPCGRIAAKLAFLPPEATYSLVPEPEPGPGGAGAAPLGLTRASSGAPGRWKLHL  
 TERADFQYSQRELDITIEVFPTKSARGNRVSCMYVRCVPGARYTVLFSHGNAVDLGMSSFYIGLGSRLHC  
 NIFSYDYSYGYGASSGRPSENLADIDAAWQALRTRYGISPDSSIILYQSIGTVPTVDLASRYECAAVVL  
 HSPLTSGMRVAFPDTKKTYCFDAFPNIEKVSKITSPVLIHGTEDVIDFSLGLALYERCPKAVEPLWVE  
 GAGHNDIELYSQYLERLRRFISQELPSQRA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



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

**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 ORF:** 933 bp

**Locus ID:** 81926

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

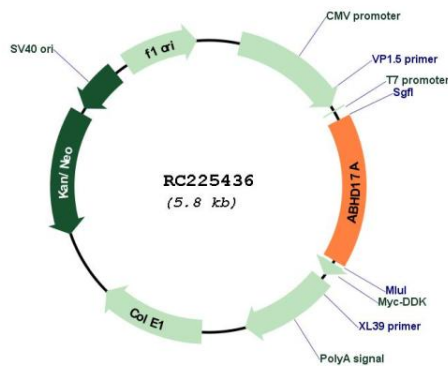
**Cytogenetics:** 19p13.3

**Protein Families:** Protease

**MW:** 33.8 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 RC225436