

## Product datasheet for **SC323744**

### **FAM108A1 (ABHD17A) (NM\_031213) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	FAM108A1 (ABHD17A) (NM_031213) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM108A1
Synonyms:	C19orf27; FAM108A1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_031213.2  
 GCGGAGGGACCGACGGACGCACGGGCGGGCGGGAGCCATGGAGCGCGGCCCTGGGG  
 CCCCAGGGCGCGGGCCGGGGTGGGCTTCCCACGGCAGACATGGAGACCTGTGGTTGCGA  
 GGCTCCCTGGGGCTCGGCTTGGACCGCGATGGGGCTGGGCCCTGGCCTCCTAACGGGGCT  
 GCTGTCTGGGGCGGTAGCTGGGGGGCGCTCTCCCCCTGCCCGGACTCGGAGCACCCC  
 CACCCCTCCCTGCCGGCCAGGCCGGCGGCGTTGTTGGCGGGGGCCCCGGTGGAGGCC  
 CGGCCTGGGCGGGCCCGCCATGAATGGGCTGTCGCTGAGTGAGCTCTGCTGCCTTTCT  
 GCTGCCCCCCTGCCCGCGCATCGCTGCCAAGCTCGCCTTCTGCGCCGGAGGCCA  
 CCTACTCCTGGTGCCTGAGCCCAGCCGGGGCCTGGTGGGGCCGGGGCCGCCCTTGG  
 GGACCCTGAGAGCCTCCTCGGGCGACCCGGGCGCTGGAAGCTGCACCTGACGGAGCGTG  
 CCGACTTCCAGTACAGCCAGCGGAGCTGGACACCATCGAGGCTTCCCCACCAAGAGCG  
 CCCGCGGCAACCGCTCTCCTGCATGTATGTTGCTGCGTGCCTGGTCCAGACAAGGAC  
 ACCAGGCTCAGGGAGGCCATCCCAGCTGGCATGGGTGGCAGGCTGGGCGACTCCAACA  
 ACCCAGCGCTGGTGGTGCCTGCTGGGCGAGAGCTGGGGCACAGGGGCTGCCCTGGCCT  
 GCGGGTACATCCACCTTCTCGCCAGGTACACGGTCTTCTCTCGCACGGCAATGCCGTGG  
 ACCTGGGCGAGATGAGCAGCTTCTACATTGGCCTGGGCTCCCGCCTCCACTGCAACATCT  
 TCTCTACGACTACTCCGGCTACGGTGCCAGCTCGGGCAGGCCTTCCGAGAGGAACCTCT  
 ATGCCGACATCGACGCCGCTGGCAGGCCCTGCGCACCAGGTACGGCATCAGCCCGGACA  
 GCATCATCCTGTACGGGCGAGCATCGGCACGGTGCCACCGTGGACCTGGCCTCGCGCT  
 ACGAGTGTGCCGCGGTGGTGTGCACTCGCCGCTCACCTCGGGCATGCGCGTTCGCTTCC  
 CCGACACCAAGAAGACCTACTGCTTCGACGCCTTCCCTAACATCGAGAAGGTGTCCAAGA  
 TCACGTCTCCCGTGTCTATCATCCACGGCACGGAGGACGAGGTGATCGACTTCTCGCAGC  
 GGCTGGCGCTCTACGAGCGCTGCCCAAGGCGGTGGAGCCGCTGTGGGTGGAGGGCGCCG  
 GGCACAACGACATCGAGCTCTACAGCCAGTACCTGGAGCGCTGCGTTCGCTTCTATCTCCC  
 AGGAGTGTCCAGCCAGCGCGCCTAGCGCGGCCCAACCGGCCGACCTCAGCAATAAG  
 GCGGCCCCCGGACCTACCCCGCGCCGGCCCCACCCAGGGGCTGCATGTGGACCCCGG  
 GGCGGCCAGGGGACCCCGCCCGACCCAGGGGCTGTGGACGATGTACAGGCAACAGAGC  
 TACGCACTCCTTTCTTTTGAAGCAAGAAGAAAATACGTGAAAACGGAAATTAAGATT  
 TAAAATTTTAAAAAAAAAAAAAAAAA

**Restriction Sites:** ECoRI-NOT

**ACCN:** NM\_031213

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_031213.2</a></u> , <u><a href="#">NP_112490.2</a></u>
<b>RefSeq Size:</b>	1645 bp
<b>RefSeq ORF:</b>	1086 bp
<b>Locus ID:</b>	81926
<b>UniProt ID:</b>	<u><a href="#">Q96GS6</a></u>
<b>Cytogenetics:</b>	19p13.3
<b>Protein Families:</b>	Protease
<b>Gene Summary:</b>	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] Transcript Variant: This variant (1) encodes the longer isoform (1).