

Product datasheet for **SC125431**

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:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_031213, the custom clone sequence may differ by one or more nucleotides

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ATGAATGGGCTGTCGCTGAGTGAGCTCTGCTGCCTCTTCTGCTGCCCGCCCTGCCCGGCCGCATCGCTG
CCAAGCTCGCCTTCTGCCGCGGAGGCCACCTACTCCCTGGTGCCTGAGCCGAGCCGGGGCTGGTGG
GGCCGGGGCCGCCCTTGGGGACCCTGAGAGCCTCCTCGGGCGCACCCGGGCGCTGGAAGCTGCACCTG
ACGGAGCGTGCCGACTTCCAGTACAGCCAGCGCGAGCTGGACACCATCGAGGTCTCCCCACCAAGAGCG
CCCGCGGCAACCGCGTCTCCTGCATGTATGTTCTGCTGCGTGCCTGGTCCAGACAAGGACACCAGGCTCA
GGGAGGCCATCCCAGCTGGCATGGGTGGCAGGCTGGGCGACTCCAACAACCCAGCGCCTGGTGGTTGC
CTGCTGGGCAAGAGCTGGGGCACAGGGGCTGCCCTGGCCTGCGGGTACATCCACCTTCTCGCCAGGTACA
CGGTCTCTTCTCGCACGCAATGCCGTGGACCTGGGCCAGATGAGCAGCTTCTACATTGGCCTGGGCTC
CCGCTCCACTGCAACATCTTCTCTACGACTACTCCGGCTACGGTGCCAGCTCGGGCAGGCCTTCCGAG
AGGAACCTCTATGCCGACATCGACGCGCCTGGCAGGCCCTGCGCACCAGGTACGGCATCAGCCCGGACA
GCATCATCCTGTACGGGCAGAGCATCGGCACGGTGCCACCGTGGACCTGGCCTCGCGCTACGAGTGTGC
CGCGGTGGTGTGCACTCGCCGCTCACCTCGGGCATGCGCGTGCCTTCCCCGACACCAAGAAGACCTAC
TGCTTCGACGCCCTCCCTAACATCGAGAAGGTGTCCAAGATCACGTCTCCCGTGCATCATCCACGGCA
CGGAGGACGAGGTGATCGACTTCTGCACGGGCTGGCGCTCTACGAGCGTGCCTCAAGGCGGTGGAGCC
GCTGTGGTGGAGGGCGCCGGGCACAACGACATCGAGCTCTACAGCCAGTACCTGGAGCGCCTGCGTCG
TTCATCTCCAGGAGCTGCCAGCCAGCGCCCTAG
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_031213 unedited
 NCGCCCAGTCCCACGAAAGTTTGTCAATACGAATNCACTATGGNNGGCGGCCGCGAAATT
 CGGCACCAGCCACGGCAGCATGGAGACCTGTGGTTGCGAGGCTCCCTGGGGCTCGGCT
 TGGACCGCGATGGGGCTGGGCCCTGGCCTCCTAACGGGGCTGCTGTCTGGGGCGGTAGCT
 GGGGGGGCGCTCTCCCCCTGCCCGGACTCGGAGCACCACCCTCCCTGCCGGGC
 CAGGCCGGCGGCGTTGTTGGCGGGGGCCCCGGTGGAGGCCCGGCTGGGCGGCGCCCG
 CATGAATGGGCTGTCTGAGTGAAGCTGCTGCTGCCTCTTCTGCTGCCCGCCCTGCCCGG
 CCGCATCGCTGCCAAGCTCGCCTTCCTGCCCGGAGGCCACTACTCCCTGGTGCCTGA
 GCCCGAGCCGGGCTGTTGGGGCCGGGCGCCCTTGGGGACCCTGAGAGCCTCCTC
 GGGCGCACCCGGGCGCTGGAAGCTGCACCTGACGGAGCGTGCCGACTTCCAGTACAGCCA
 GCGCGAGCTGGACACCATCGAGGTCTTCCCAACGAAGAGCGCCGCGCAACCGGCTCTC
 CTGCATGTATGTTGCTGCTGCTGCTGGTCCAGGTACACGGTCTTCTTCGCACGGCAA
 TGCCGTGGACCTGGGCCAGATGAGCAGCTTCTACATTGGCTGGGCTCCCGCTCCACTG
 CAGCATCTTTTCTACGACTACGCTGGCTACGGTCCCCGCTCGGGCCGGCCTTTCTAGAG
 GAACCTTATGCCGACATCGAGCCCTCCTGGCAGGCCCTGCCGCCGNTACGGCATCAACC
 CTGACAGGATATGCTTTCGGGGCAGAGAATCCGCACCGGGCCCGACGTAGACACCGGCTT
 CCCCTCCCC

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_031213 unedited
 TCCGGGCCAGGAGAGGACTGGGGAGGGGTACAGGGATGCCACCCGGGATCTGTTCAGG
 AAACAGCTATGACCGGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTAAAT
 TTAATCTTAATTTCCGTTTTTACGTATTTTCTTCTTCTTCCAAAAGGAAAGGAGTGC
 GTAGCTCTGTTGCCTGTACATCGTCCACAGCCCCTGGGTGGGGCGGGGTCCCCTGGGCC
 GCCCGGGGGTCCACATCGAGCCCTGGGTGGGGCCGGCGCGGGGTGAGGTCCGGGGGC
 CGCCTTATTGCTGAGGTCGGCCGGTGGGGCCCGCTAGGCGCGCTGGCTGGGCAGCT
 CCTGGGAGATGAAGCGACGCAGGCGCTCCAGGTAAGGCTGTAGAGCTCGATGTCGTTGT
 GCCCGGCCCTCCACCCACAGCGGCTCCACCGCTTGGGGCAGCGCTCGTAGAGCGCCA
 GCCCGTGCAGAGTTCGATCACCTCGTCTCCGTGCCGTGGATGATGAGCACGGGAGACG
 TGATCTTGGACACCTTCTCGATGTTAGGGAAGGCGTGAAGCAGTAGGTCTTCTTGGTGT
 CGGGGAAGGCGACGCGCATGCCGAGGTGAGCGCGAGTGCAGCACCACCGGGCACACT
 CGTAGCGGAGGCCAGGTCCACGGTGGGCACCGTCCCGATGCTCTGCCCGTACAGGATGA
 TGCTGTCCGGGCTGATGCCGTACCTGGTGGCNC

Restriction Sites:

NotI-NotI

ACCN:

NM_031213

Insert Size:

1600 bp

OTI Disclaimer:

The sequence of an 'OriGene Unique Variant' differs significantly from the associated reference. It represents a novel splice variant from the same gene locus of the reference. Although such variants are true transcripts and present opportunity for discoveries, they are not yet curated by NCBI and should not be used if the exact reference accession sequence is required.

OTI Annotation:

This TrueClone was found to represent an alternative form of the specific reference to which it is associated. Its Open Reading Frame (ORF) may represent a novel form or alternative splice variant. By virtue of it being a true transcript (cDNA clone not PCR product), it provides a biologically relevant copy of its mRNA template. For more details, please evaluate the sequence information provided on this website or contact our customer care specialists.

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]
Transcript Variant: This variant (1) encodes the longer isoform (1).