

## Product datasheet for SC114359

### FAM8A1 (NM\_016255) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FAM8A1 (NM_016255) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAM8A1
Synonyms:	AHCP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114359 sequence for NM_016255 edited (data generated by NextGen Sequencing)

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ATGGCCGAGGGGCGNNNGGAAGCCCGAGGCCACCCTCCCGGGCAGGACGATGGCGGAGGG
GACCACGAGCCCGTCCCTTCCCTGAGAGGCCCTCCTACCNCCGCGTCCCATGCCCCGC
GACGACCCCGAGCCGAACCCCGAGCCCGGGCCGACGACCCCGGGCCTCGCGGCT
GCCGCGCAGCCGACAAATTGGAGCCGCGCGAGCTCAGGAAGCGGGGAGGCGGCC
TCCGGCTCCGGTGCAGAGCTGCAGGAGCAGGCGGGCTGCGAGGCGCCGAAGCCGCGCG
CCACGAGAGAGACCAGCTCGGCTGAGCGCCCGGAGTACTCCGGCAAGTGCACGAGTGG
CTGTGGCAGTCTACTGCGGCTACCTCACCTGGCACAGCGGCTGGCCGCCTTCCAGCC
TACTGCAGCCCCAGCCCTCCCCGAGAGCTTCCCTTCCGGCGGCGTGCAGTCCCCCAG
GCCGCGGCGCCGCGCCCGCAGCTGGGCTATTACAACCCTTCTACTTCTGAGCCCC
GGGGCCGCGGGGCTGACCCGCGGACAGCTGCCGGCATCAGCACCCCTGCTCCAGTCGCG
GGCCTGGGACCCCGGGCTCCTCAGTGCAGGCGTCCGGTCCGGGCCACTCCAGTGACGAGG
GTAGGATCCGAGCCCTTCCGGAAGCCGAGCGAGACCAGGCGCAGGCGAGGAGAGAA
TATGTTATCCATCCTTGGCCACAGATTTATGGCAGAGATGGTGGATTTCTTTATTCTC
TTCTTTATAAAAGCAACCATTGTCTTAAGCATTATGCACCTCAGTGGGATAAAGGATATC
TCTAAGTTTGCTATGCATTATATAATAGAAGAAATAGATGAAGACACATCAATGGAAGAC
TTGCAGAAAATGATGGTTGTGGCACTTATATACAGATTATTAGTTTGTCTATGAGATA
ATTTGCATTTGGGAGCAGGTGGAGCTACCCAGGGAAGTTCCTGCTGGGCTTCCGAGTT
GTGACATGTGATACATCAGTGCTTATTGCACCAAGTCGGGTTTTAGTGATTCTTCTCA
AATGTTAGCATTACAACGTCCACTATCCGAGCTTTGATCAAGAATTTTTCAATTGCTTCT
TTTTTCCCTGCTTTCATCACACTGCTGTTTTTTCAGCATAATCGAACAGCTTATGACATT
GTAGCAGGAACCATTGTGGTAAAAAGAAATGGGGTCAGATGA

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Clone variation with respect to NM\_016255.2  
14 c=>n;15 c=>n;16 g=>n;17 a=>n;100 a=>n



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_016255 unedited  
 ATTATGTATACGACTCACTATAGGCGGCCGCAATTCGGCACGAGGAGCAGTGACAGGTA  
 TCCCAGAGGTGCTGCTGAGGCGACGATGGCCGAGGGGCCCGAGGAAGCCCGAGGCCACCC  
 TCCCGGGCAGGACGATGGCGGAGGGGACCACGAGCCCGTCCCTTCCCTGAGAGGCCCTCC  
 TACCACCGCCGTCCCATGCCCCCGGACGACCCCCAGGCCGAACCCAGGCCCGGGCCG  
 GCCACAGCCCCGGGCTCGCGGCTGCCGCCGACGCCGACAAATTGGAGCCGCGCGCGA  
 GCTCAGGAAGCGGGGAGGCGGCCTCCGGTCCGGTGCAGAGCTGCAGGAGCAGGCGGG  
 CTGCGAGGCGCCGAAGCCGCGGCCACGAGAGAGACCAGCTCGGCTGAGCGCCGCGA  
 GACTCCCGCAAGTGCACGAGTGGCTGTGGCAGTCTACTGCGGCTACCTCACCTGGCA  
 CAGCGGCTGGCCGCTTCCCAGCCTACTGCAGCCCCAGCCCTCCCGCAGAGCTTCCC  
 TTCGGGCGGCGTGCAGTCCCCAGGCCGCGGCGCCGCCCGCCCGCAGCTGGGTATTA  
 CAACCCCTTCTACTTCTGAGCCCCGAGCCGCGGNGCCTGACCCGCGGACAGCTGCCGG  
 CATCAGCACCCCTGCTCCAGTCGCGGGCCTGGGACCCCGGGCTCCTCACCGTGCAGGCGT  
 CGGTCCGGCCACTCCAGTGACGAGGGTAGGATCCGAGNCCCTTCGCGAAGCCCGAGCG  
 AGACCGGGCGACAGCCGCGAGAGAATATGTATTCCATCCTTGGCCACAGATTATGGGAGA  
 GATGGTGGATTCTTTATTCTCTTTAAAAGCACCATTGTCTAAACATATGCACCTAGGG  
 GGATAAGAAATCCTAATTTGCTTGCCTATTACTGCAGACTGGTGAGCACCTCATGGAGAT  
 GC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_016255 unedited  
 NNCCTACTCTGNNAACCGCGCCGAATCTANGATCGAGTTTTTTTTTTTTTTTTTTTTTTT  
 TTTTTTTTTTTTTTTTCCATGGAGGACTAAGTTTTTATGGAACACAAAATAATACAAATG  
 GGGGGCTTACAATTTTTAAAAATAAAAGGCTGAATTTTATTTATAGGGGCCCCATAAAA  
 TACTGTTAACAGTTAACCTTACTATAATGAAGTCAAAAAAGTTTGTATCCTGTTGAA  
 AAGGAGGAACTTTATCCAGCCAAACATGGAATGTCAAAAGGGGCTGGGGTCTGGAAAC  
 AGGGAATATCAAGAATTGGACATGTTACTTGTCTGCCAAATTTAAAAATCCTGTTTTTT  
 AGGCATATTCAAAAAACCACTGCCTGTTAAATAGGGATAAGTTTATACCAAAACCTTT  
 TAATATCCATCCCCCTAAAAAACCCCTTTATCCCAAGTACCACCTAGGAAAAATAAA  
 TTTTCAATCCCTTTCAACCCTTCCTTGGCTAAAAATACTTAGGCATAACTAAAACACTCA  
 AGCCACTGAAGGGAACAAACCTTTAACTGCCACTTGAATCAAAAACCACTCATTTTGAA  
 ATTGGGCCAAAGAACCTCTAAAATAAAGGCATTTTTTTTTTATCTTATATATACTGGG  
 GAAAAATCGAGAGGGGAGTGCTTAGGCAAAAAATAATTAACTTTTAACCCAGGGGGACCA  
 AGTTAAGTGGGGCAAACCTTTTTAGATACTGACAAGGGAAGGCTTATTAGTCCCAAAAGT  
 GCTGTTTTTATTTCTGTACCACAGAATATCTAAAGGTAAGGCTAACCCAGCTTTTGCTT  
 CCCAAGTTAAGGTTTTTATTCAGTTTGCAGATTTTTTTTTCAGGGGGCTTACCCTCTCC  
 GGAATAATTTTACTGGGGGGAACCTGAAAATTTTTAAACCCTAAATTACCGCC

**Restriction Sites:**

ECoRI-NOT

**ACCN:**

NM\_016255

**Insert Size:**

4420 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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\\_016255.1](#), [NP\\_057339.1](#)

**RefSeq Size:** 4695 bp

**RefSeq ORF:** 1242 bp

**Locus ID:** 51439

**UniProt ID:** [Q9UBU6](#)

**Cytogenetics:** 6p22.3

**Protein Families:** Transmembrane

**Gene Summary:** Plays a role in the assembly of the HRD1 complex, a complex involved in the ubiquitin-proteasome-dependent process of ER-associated degradation (ERAD).[UniProtKB/Swiss-Prot Function]