

## Product datasheet for SC114513

### FAHD2A (NM\_016044) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	FAHD2A (NM_016044) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAHD2A
Synonyms:	CGI-105
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114513 sequence for NM_016044 edited (data generated by NextGen Sequencing)

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ATGCTGGTGTCTGGTAGAAGAAGGTTACTCACAGTTCTGTGTCAGGCTCAGAAGTGGCCC
TTTCAACCCTCCAGAGACATGAGACTAGTGCAGTTCGCGGCACCCACCTGGTGGGGCCT
CACTTGGGCCTGGAGACAGGGAATGGTGGAGGGTTATCAACCTCAATGCCTTTGACCCC
ACACTCCCGAAGACGATGACGCAGTTCCTAGAGCAGGGAGAGGCCACCCTCTCAGTGGCA
AGAAGAGCCCTGGCTGCCAGTTGCCAGTCTACCACGGTCGGAGGTAACCTTCTGGCT
CCAGTCACACGACCAGATAAAGTGGTGTGTGGGCATGAATTATGTGGACCACTGCAA
GAACAGAACGTGCCCGTGCCCAAGGAGCCCATCATCTTCAGCAAGTTTGCCAGCTCCATC
GTGGGGCCCTATGATGAGGTGGTCTCCACCACAGAGCCAGGAGGTAGATTGGGAAGTG
GAGCTGGCCGTGGTCATTGGAAGAAAGGCAAGCACATCAAGGCCACAGATGCTATGGCC
CACGTGGCCGGCTTCACTGTGGCTCATGACGTGAGTGCTCGTGACTGGCAAATGAGACGT
AATGGGAAAACATGGCTGCTGGGAAAAACCTTCGACACCTTCTGCCCTCTGGGCCCTGCC
TTGGTGACCAAGGACAGTGTAGCAGATCCACACAACCTAAAGATCTGCTGCCGAGTGAAT
GGGGAAGTGGTCCAGAGCGGCAACACCAACCAGATGGTATTCAAGACAGAGGACCTGATA
GCCTGGGTCTCCAGTTTGTACCTTTTACCCAGGGGATGTCATCCTAACTGGGACCCCC
CCAGGTGTCGGTGTATTCAGGAAACCTCCTGTCTTTCTCAAGAAGGGGGATGAAGTCCAG
TGTGAGATTGAAGAACTAGGTGTCATCATCAACAAGGTGGTGTGA

```

Clone variation with respect to NM\_016044.2



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_016044 unedited  
 NGGTGCGGATTTTGGTAATACGACTCACTATAGGGCGGCCCGGATTTCGGCACGAGGCTCT  
 AACCTACAGCGCAGGAAGATCGGCCGCGGCCAGGCTCTGATGCTGGTGTCTGGTAG  
 AAGAAGTTACTCACAGTTCTGCTGCAGGCTCAGAAGTGGCCCTTCAACCCTCCAGAGA  
 CATGAGACTAGTGCAGTCCGGGCACCCACCTGGTGGGGCTCACTTGGGCCTGGAGAC  
 AGGGAATGGTGGAGGGTTATCAACCTCAATGCCTTTGACCCACACTCCCGAAGACGAT  
 GACGCAGTTCTAGAGCAGGGAGAGGCCACCCTCTCAGTGGCAAGAAGAGCCCTGGCTGC  
 CCAGTTGCCAGTCTACCACGGTCGGAGGTAACCTTCTGGCTCCAGTCACACGACCAGA  
 TAAGTGGTGTGTGGGCATGAATTATGTGGACCACTGCAAAGAACAAGAACGTGCCCGT  
 GCCAAGGAGCCATCATCTTCAGCAAGTTTCCAGCTCCATCGTGGGGCCCTATGATGA  
 GGTGGTCTCCACCACAGAGCCAGGAGGTAGATTGGGAAGTGGAGCTGGCCGTGGTCAT  
 TGGAAAGAAAGCAAGCACATCAAGGCCACAGATGCTATGGCCACGTGGCCGGCTTAC  
 TGTGGCTCATGACGTGAGTGTCTGACTGGNNCAATGAGACGTATGGAAACAATGGCT  
 GCTGGGAAAACCTTCGACACCTTCTGCCCTCTGGGCCCTGCCTTGGTGACCAAGGACAG  
 TGTAGCAGATCCACAACTTANAGATCTGCTGCCGAGTATGGGGGAAAGTGGTCCAG  
 AGCGGGCACCAACCAGATGGTATTCAAGACAGAGACCTGATAGCTGGTCTNCCCAG  
 TTTGGTACCTTTN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_016044 unedited  
 GCACGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTGGCTTTGACCTGACGAATTTATT  
 GAAGAGAGCTCTGCCTTCTCCCTTCTACCGAGAAGAGGGCGCTTGCAGGGCTGGCACCT  
 GTCCACACCTGTCACTGGGCCTTCCCTGGCTAGGCTGAGTGGGAGCAGATGCCCTCAT  
 CCTATGTGCAGGGCCTGTGCAGGAGCCATCACACCACCTTGTGATGATGACACCTAGTT  
 CTCAATCTCACACTGGACTTCATCCCCCTTCTTGAGAAAAGACAGGAGGTTTCTGAATA  
 CACCGACACCTGGGGGGTCCCAGTTAGGATGACATCCCCTGGGTAAGGTAACAAACT  
 GGGAGACCCAGGCTATCAAGTCTCTGTCTTGAATACCATCTGGTTGGTGTGGCCCTCT  
 GGACCACTTCCCATTCACTCGGCAGCAGATCTTAAAGTTGTGTGGATCTGCTACACTGT  
 CCTTGGTCACCAAGGCAGGGCCAGAGGGCAGAAAGTGTGCAAGTTTTTCCCAGCAGCC  
 ATTGTTTCCCATTACGTCTCATTTGCCAGTCACGAGCACTCACGTCATGAGCCACAGTGA  
 AGCCGGCCACGTGGGCCATAGCATCTGTGGCCTGATGTGCTTGCCTTTCTTTCCAATGA  
 CCACGGCCAGCTCCACTTCCCAATCTACCTNCTGGCTCTGTGGTGGGAGGACCACCTCAT  
 CATATGGCCCCACGATGGAGCTGGCAAACCTGCTGAAGATGATGGGCTCCTTGGGCACGG  
 GCACGTTCTGTTCTTGCAGTGGTCACATAATTATGCCACACACAACTATCTGGTC  
 GTGTGACTGGACCAGAATGTTACCTCCGACCGTGGTAGACTGGCACTGGGCAGCCAGGCT  
 CTTCTTGCTGAAAGGTAGCCCCCTCTGCTCTAGACTGGTCATCGCTCGGATGGGGGTCA  
 AGCCTGN

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_016044

**Insert Size:**

1300 bp

**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).

**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\\_016044.1](#), [NP\\_057128.1](#)

**RefSeq Size:** 1298 bp

**RefSeq ORF:** 945 bp

**Locus ID:** 51011

**UniProt ID:** [Q96GK7](#)

**Cytogenetics:** 2q11.1

**Domains:** FAA\_hydrolase

**Gene Summary:** May have hydrolase activity.[UniProtKB/Swiss-Prot Function]