

## Product datasheet for **RN209390**

### Ap3d1 (NM\_001100719) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ap3d1 (NM_001100719) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ap3d1
Synonyms:	Ap3d
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN209390 representing NM_001100719 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGC**C

ATGGCCCTCAAGATGGTCAAGGGCAGTATCGACCGCATGTTTCGACAAGAACCTGCAGGATCTGGTCCGGC  
GCATCCGCAACCACAAGGAGGACGAGGCCAAGTACATCTCCAGTGCATTGACGAGATCAAGCAGGAAC  
CAAGCAGGACAACATTGCTGTGAAGGCCAACGCTGTCTGCAAGCTCACCTACTTACAGATGCTCGGGTAC  
GACATCAGCTGGGCTGCCTTCAACATCATTGAAGTCATGAGTGCCTCAAAGTTCACATTCAGCGTGTCC  
GCTACCTTGCAGCCTCTCAGTGTCTCCATGAAGTACTGACGTCATCATGCTGACCACTAACAGATCCG  
AAAGGACCTGAGCAGCCCTAGCCAGTACGACACTGGAGTGGCACTGACTGGTCTGTCTCTGTTTGTCCACC  
CCAGATCTTGCCAGAGACCTGGCAAAATGACATCATGACCCTGATGTCTCACACGAAGCCATACATCAGGA  
AGAAGGCAGTGTGATCATGTACAAAGTGTTCCTCAAGTACCCTGAGTCACTGCGTCTGCCTTTCCCGG  
GCTTAAGGAGAAGCTGGAGGACCCAGACCCAGGGGTGCAGTCTGCAGCTGCAATGTCTGTGAGCTA  
GCGCGCCGAAACCCTAAAACTACCTGTCTCTGGCTCCACTGTTTTTCAAGCTCATGACATCCTCTACCA  
ACAACCTGGTCTCATCAAGATCATCAAAGTGTTCGGTGCCTGACTCCCTGGAGCCCAAGGCTGGGCAA  
GAAGCTGATCGAGCCTCTCACCAACCTCATTACAGCACCTCTGCCATGTCCCTGCTGTACGAGTGTGTG  
AACACCGTGATTGCTGTGCTCATCTCACTGTCTTCCGGGATGCCCAACCACAGCGCCAGCATCCAGCTAT  
GCGTTCAGAAGTTGAGGATACTGATAGAGGACTCCGACCAGAACTTAAAGTACCTGGGGCTGCTGGCCAT  
GTCTAAAATCCTGAAGACACATCCCAAGTCTGTGCAATCCCACAAGGACCTGATCCTGCAGTGCCTGGAT  
GACAAAGACGAGTCCATCCGCTGCGTGCCTTGACCTGCTCTATGGAATGGTGTCCAAAAAGAACCTGA  
TGGAATTTGTGAAGAAGCTTATGACCCACGTGGACAAGGCCGAGGGCACCACCTATCGTGACGAGCTGCT  
CACCAAGATCATTGACATCTGTAGCCAGTCCAACCTACCAGCACATCACCAACTTCGAGTGGTACATAAGC  
ATCCTTGTGGAGCTGACAAGACTGGAGGGCACCCGGCATGTGTGAGGTGCTCTATGCTGCTGCCTGGATCTGCGG  
TGCCATTTCGGTCAAGGCCATTTCGAAAATTTGCTGTGTGCCAGATGTCTTCGCTGCTTGATAGTCCCA  
CCTGGTAGCCAGCAGCACCACGCAACGGCATCTGTGAGGTGCTCTATGCTGCTGCCTGGATCTGCGGG  
GAGTTCTCGGAGCACCTACAGGGGCCAGCAAACCTGGAGGCCATGCTGCGGCCCAAGGTACACACAC



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TGCCCGCCACATCCAGGCTGTGTATGTGCAGAACGTGGTAAAGCTGTACGCGTCCATCCTGCAGCAGAA  
 GGAGCAGGCTGCCGACACTGAGGGGGCACAGGAGGTCACCCAGCTACTAGTGGAGCGGCTGCCACAGTTT  
 GTGCAGAGCGCCGACCTGGAGGTGCAGGAGCGGGCGTCTTGCATCCTGCAGCTGGTCAAGCATGTACAGA  
 AGCTGCAAGCAAAAGCGGTGCCGGTGGCCGAGGAAGTGAGCGCCTTGTGGTGGGAACTGAACCTGT  
 GGCCCCAAGGCCCAGAAGAAGTCCCAGTTCTGAAGGCCTAGACCTGGATGCCTGGATCAATGAGCCA  
 CCTTCAGACAGTGAGTCTGAGGATGAGAAACCAAGGCCATTTTCATGAAGAGGAGCCAAGGCACACCC  
 GCGCCCGCAGCCTGAGGAGGATGAGGAGGAGCTGGCCCGCGCGAGAGGCCCGGAAGCAGGAGCAAGC  
 CAACAATCCCTTCTACATCAAGAGCTCCCATCCCGCAGAAGCGATACCAAGACGCACACAGGCGTGGAG  
 CACATTCTGTGGTACAGATCGACCTCTCCGTGCCTCTGAAAGTTCCAGGTATGCCCATGTCAGACCACT  
 ATGTGAAGCTGGAGGAACAGCGCGACACCGGACGCGCTGGAGAAGGACAAGAAAAGGAAGAAGAAGGA  
 GAAGGGCAAGCGTCGCCACAGTTCCTGCCACGGAGAGTGATGAGGACATCGCCCCGCCAGCGTGTG  
 GACATCATCACTGAGGAGATGCCTGAGAATGCTCTGCCTAGTGATGAGGATGACAAGACCCCAATGACC  
 CCTACAGGGCACTGGACATTGACCTAGATAAGCCCTTGGCCGACAGTGAGAAGCTGCCTGTCCAGAAACA  
 TAGAAACGCGGAGACAGTGAAGTCCCCAGAGAAGGAGGGTGTGCCTGGGGTGGAGAAGAAGCAAGAAG  
 CCCAAGAAGAAGGAGAAGAAGCCAAAGAGAGAGAAGGGAGAAGAAGGACAAGAAGGGTGAAGACTTAG  
 ACTTCTGGCTGTCCACCACCCCGCCACCTGCTGCTGCCCCGTCCTGCCCATCTACGGAAGGACTTGC  
 TGCGAGCATTGTACCCCCCTAAGGGTGTGAGGTTCTCAAAGGGGAAGAGCCCCAGGACGAGGAG  
 GACCACATGGATCATGACCAAGAAAGGAAATCATCCCGGCACAAGAAGAAGAAACACAGGAAGGAGAAGG  
 AGGAGAGGCCACGAGACAAAAAGAAAGCCAAGAGGAAGCAGGTGGTGCAGCTAGAGAATGGTGCGCCAGC  
 AGAGGAGGAAGAGGAGGAGGAGGAACCTATCCCGCCATGTCCAGTACTGCCTTCTGGCTGAGAATCCG  
 TACATTAAGTGACATATGACGTCCAAGCCAGCTTACAGAAGGACAGCCAAGTACTGTGTCTATCATCC  
 TGGAGAATCAGAGCAGCAGCTTCTGAAGAATGGAAGTCAACGTGCTAGACTCAACACCAAGAT  
 GGCCAGGCCAGAGGGCTCATCAGTGATGATGGTGTGCCTGTGCCTTTCCAGCTGCCCCCGGCTCTCC  
 AATGAGGCCAGTTTGTGTTACCATTCAGAGCATCGTATGGCCAGAAAGCTCAAAGGCACGCTGTCTCT  
 TCATTGCCAAGGATGATGAAGGAGCCACCCATGAGAAGTTGGACTTCCGGCTGCATTTAGCTGTAGCTC  
 GTACCTGATCACCACCCCTGTACAGCGATGCCTTTGCCAAGTTGCTGGAGTCAGGAGACCTGAGCATG  
 AACTCCATCAAAGTTGATGGCATTAGTATATCTTTCCAGAATCTTCTGGCAAAGATCTGCTTCTACCACC  
 ATTTTTCCGTTGTGGAGCGAGTACTCCTGCGCCTCCATGTACAGCCGCTCTATCCAGGGCCATCACGT  
 CTGCTGCTGGTGAAGAAGGGTGAAGCTCCGTGTCAGTGACGGGAAGTGCAGCGATGCCACGCTGCTC  
 AGCAGCCTGCTGGAGAAATGAAGACCACGCTGTCTCAGTGCTGA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-RsrII

**ACCN:**

NM\_001100719

**Insert Size:**

3615 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\_001100719.1, NP\_001094189.1

**RefSeq Size:** 4793 bp

**RefSeq ORF:** 3615 bp

**Locus ID:** 314633

**Cytogenetics:** 7q11