

Product datasheet for **RN208798**

Ap2a1 (NM_001107511) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ap2a1 (NM_001107511) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ap2a1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF:

>RN208798 representing NM_001107511

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCGGTGTATCCAAAGGCGATGGCATGCGTGGGCTTGCCGTGTTTCATCTCCGACATCCGGAAGTCA
 AGAGCAAAGAGGCTGAGATCAAGAGGATCAACAAGGAAGTGGCCAACATCCGCTCCAAGTTCAAAGGGGA
 CAAGGCCTTGGATGGCTACAGTAAAAAGAAGTATGTGTGAAGCTGCTTTCATCTTCTGCTTGGCCAT
 GACATTGACTTTGGACACATGGAGGCTGTGAACCTGCTAAGCTCCAACAAGTACACAGAGAAGCAGATAG
 GGTACCTGTTTCATCTCAGTCTGGTGAACCTCGAAGCTCAGAGCTGATCCGGCTCATTAACAACGCTATCAA
 GAACGACCTGGCCAGTCGCAACCCACCTTCATGTGCCTGGCTTGGACTGTATTGCCAAGTGGGCAGC
 CGTGAGATGGGCGAGGCCTTGTGCCGACATCCCGAATCCTGGTGGCCGAGACAGCATGGATAGTG
 TGAAGCAGAGTGCAGCCCTATGCCTACTGCGTCTCTACAAGGCCCTCCCGACTTGGTGGCCATGGCGGA
 GTGGACGGCCCGGTGGTGCATTTGCTCAATGATCAGCACATGGGAGTGGTCACAGCCGCTGTCAGTCTC
 ATCACCTGCCTGTGCAAGAAGAATCCAGATGACTTCAAGACCTGTGTCTCCCTGGCTGTGTCTCGCCTAA
 GCCGGATTGTCTCCTCAGCCTCCACTGACCTCCAGGACTACACTTACTACTTCGTTCTGCAACCTGGCT
 CTCTGTGAAGTTACTGCGGTTGCTACAGTGTACCCACCGCCAGAGGATGCGGCTGTGAAAGGGCGGTTA
 GTGGAGTGTCTTGGACTGTGCTCAACAAGGCCAGGAGCCTCCCAAGTCCAAGAAGGTGCAGCACTCCA
 ATGCCAAGAACGCCATCTGTTTGGACTATTAGCCTCATCATCCACTATGACAGTGAGCCCAACCTCCT
 GGTCCGTGCCTGCAACCAGCTGGCCAGTTCCTGCAGCACCGAGAGACGAACCTGCGCTACCTGGCTCTG
 GAGAGCATGTGCACCCTGGCCAGCTCCGAGTTCCTCCACGAGGCTGTCAAGACCCACATTGATACCTGTTA
 TTAATGCCCTCAAGACTGAGCGGAGCTGAGTGTGAGGACGCGGCGAGCTGATCTGCTGTATGCCATGTG
 TGACCGGAGCAATGCCAAGCAGATTGTATCAGAGATGCTGCGGTACCTAGAGACGGCTGACTATGCCATC
 CGAGAGGAGATTGTGCTGAAGGTGGCCATCTTGGCTGAGAAGTATGACAGTGGACTACAGCTGGTATGTGG
 ACACCATCTCAACCTCATCCGATTGCAGGCGACTATGTGAGCGAGGAGGTGTGGTACCGAGTGTGCA
 GATCGTACCAACCGTATGATGTCCAGGGTTATGCTGCCAAGACAGTGTGGAGGCCCTCCAGGCCCA
 GCCTGTGATGAGAATGGTGAAGGTGGTGGCTACATCCTTGGGGAGTTTGGGAAGTGGATTGCTGGGG
 ACCCAGCTCCAGCCACCTGTGCAATTCTCACTGCTGCACTCCAAGTTCACCTGTGCAAGTGGCCAC
 TCGTGCCTTGTGCTGTCCACCTACATCAAGTTCATCAACCTCTCCCTGAGACCAAGGCCACCATCCAA
 GGTGTTCTTCGTGCCGGCTCCAGCTGCGCAATGCTGACGTGGAGCTACAGCAGCGGGCAGTGGAGTACC
 TCAACCTCAGCTCTGTAGCTAGCACCGATGTTTTGGCTACTGTGCTAGAAGAAATGCCCCATTTCTCTGA
 GCGGGAGTCATCCATTTGGCTAAGCTGAAGCGTAAGAAGGGCCCTGGGGCAGCCAGTGCCTGGATGAC
 AGCCCGAGGGACACCAGCAGCAATGACATCAATGGGGGTGTGGAGCCACCCCAAGCAATGTGTCAACCC
 CCTCACCTCCGCGGACCTTTGGGGCTGCGGGCAGCCCTCCCTGCTGCACCCCAAGCTCCTGTAGG
 CGGGAACCTCCTGGTGGATGTTTTCTCTGACGGCCCACTGCACAGCCAGCCTGGGTCCCAACCCCTGAG
 GAGGCCTCCTCAGCGAGCTGGAGCCCTGCCCTGAGAGCCCATGACTTTGTTGGTGGTACCCAGCTC
 CAGCTGCTGACCCAGTCTGAGGACATAGTCTCCATCCAGAAGCAGATGAACTGCTGAATAAGTT
 CGTGTGAAGAATAGTGGGTCTTGTGTTGAGAACCAGCTGCTGCAGATCGGAGTCAAGTCTGAGTCCGG
 CAGAACCTGGGCCGATGTATCTTCTATGGCAACAAGACTTCTGTGAGTCCAGAGTCTTGGCCCA
 CCGTGGTCCACCTGGGGACCTCCAGACTCATCTGGCGGTGCAGACCAAGCGTGTAGCTGCACAAGTGG
 CCGTGGGCACAGGTGCAGCAAGTACTCAACATTGAGTGTCTGCGAGACTTCTGACGCCACCAGTCTG
 TCGGTGCGCTTCCGGTACGGTGGCACCAGCCAGTCCCTCACTCTGAAGCTCCAGTGACCATCAACAAAT
 TCTTCCAGCCACAGAGATGGCCGCCAGGACTTTTTCCAGCGCTGGAAGCAGCTGAGCCTCCCTGCA
 GGAGGCACAGAAAATCTTCAAAGCCAACCCCATGGATGCTGAAGTCAACAAGGCCAAGCTTCTGGGG
 TTTGGCTCTGCTCTTCTGACAATGTGGATCCCAACCTGAGAAGTCTTGGGTGCTGGAATCATCCAGA
 CGAAAGCCCTGCAGGTGGGTGTCTGCTTCGACTGGAGCCCAATGCCAGGCCAAATGTACCGCTAAC
 CCTGCGCACAGCAAGAGCCTGTGCTCCGTCACCTATGTGAGCTGCTGGCCAGCAGTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001107511
Insert Size:	2934 bp
OTI Disclaimer:	<p>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 or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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:	<u>NM_001107511.2, NP_001100981.1</u>
RefSeq Size:	2934 bp
RefSeq ORF:	2934 bp
Locus ID:	308578
Cytogenetics:	1q22