OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

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Fully Sequenced ORF:

>RN208798 representing NM_001107511
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGGCTGTATCCAAAGGCGATGGCATGCGTGGGCTTGCCGTGTTCATCTCCGACATCCGGAACTGCA
AGAGCAAAGAGGCTGAGATCAAGAGGATCAACAAGGAACTGGCCAACATCCGCTCCAAGTTCAAAGGGGA
CAAGGCCTTGGATGGCTACAGTAAAAAGAAGTATGTGTGTAAGCTGCTCTTCATCTTCCTGCTTGGCCAT
GACATTGACTTTGGACACATGGAGGCTGTGAACCTGCTAAGCTCCAACAAGTACACAGAGAAGCAGATAG
GGTACCTGTTCATCTCAGTCCTGGTGAACTCGAACTCAGAGCTGATCCGGCTCATTAACAACGCTATCAA
GAACGACCTGGCCAGTCGCAACCCCACCTTCATGTGCCTGGCTTTGCACTGTATTGCCAACGTGGGCAGC
CGTGAGATGGGCGAGGCCTTTGCTGCCGACATTCCCCGAATCCTGGTGGCCGGAGACAGCATGGATAGTG
TGAAGCAGAGTGCAGCCCTATGCCTACTGCGTCTCTACAAGGCCTCCCCCGACTTGGTGCCCATGGGCGA
GTGGACGGCCCGGGTGGTGCATTTGCTCAATGATCAGCACATGGGAGTGGTCACAGCCGCTGTCAGTCTC
ATCACCTGCCTGTGCAAGAAGAATCCAGATGACTTCAAGACCTGTGTCTCCCTGGCTGTGTCTCGCCTAA
GCCGGATTGTCTCCTCAGCCTCCACTGACCTCCAGGACTACACTTACTACTTCGTTCCTGCACCCTGGCT
CTCTGTGAAGTTACTGCGGTTGCTACAGTGTTACCCACCGCCAGAGGATGCGGCTGTGAAAGGGCGGTTA
GTGGAGTGTCTTGAGACTGTGCTCAACAAGGCCCAGGAGCCTCCCAAGTCCAAGAAGGTGCAGCACTCCA
ATGCCAAGAACGCCATCCTGTTTGAGACTATTAGCCTCATCATCCACTATGACAGTGAGCCCAACCTCCT
GGTCCGTGCCTGCAACCAGCTGGGCCAGTTCCTGCAGCACCGAGAGACGAACCTGCGCTACCTGGCTCTG
GAGAGCATGTGCACCCTGGCCAGCTCCGAGTTCTCCCACGAGGCTGTCAAGACCCACATTGATACTGTTA
TTAATGCCCTCAAGACTGAGCGGGACGTGAGTGTGAGGCAGCGGGCAGCTGATCTGCTGTATGCCATGTG
TGACCGGAGCAATGCCAAGCAGATTGTATCAGAGATGCTGCGGTACCTAGAGACGGCTGACTATGCCATC
CGAGAGGAGATTGTGCTGAAGGTGGCCATCTTGGCTGAGAAGTATGCAGTGGACTACAGCTGGTATGTGG
ACACCATCCTCAACCTCATCCGCATTGCAGGCGACTATGTGAGCGAGGAGGTGTGGTACCGAGTGCTGCA
GATCGTCACCAACCGTGATGATGTCCAGGGTTATGCTGCCAAGACAGTGTTTGAGGCCCTCCAGGCCCCA
GCCTGTCATGAGAACATGGTGAAGGTCGGTGGCTACATCCTTGGGGAGTTTGGGAACTTGATTGCTGGGG
ACCCACGCTCCAGCCCACCTGTGCAGTTCTCACTGCTGCACTCCAAGTTCCACCTGTGCAGTGTGGCCAC
TCGTGCCTTGCTGCTGTCCACCTACATCAAGTTCATCAACCTCTTCCCTGAGACCAAGGCCACCATCCAA
GGTGTTCTTCGTGCCGGCTCCCAGCTGCGCAATGCTGACGTGGAGCTACAGCAGCGGGCAGTGGAGTACC
TCACCCTCAGCTCTGTAGCTAGCACCGATGTTTTGGCTACTGTGCTAGAAGAAATGCCCCCATTTCCTGA
GCGGGAGTCATCCATTTTGGCTAAGCTGAAGCGTAAGAAGGGCCCTGGGGCAGCCAGTGCCCTGGATGAC
AGCCGCAGGGACACCAGCAGCAATGACATCAATGGGGGTGTGGAGCCCACCCCCAGCAATGTGTCAACCC
CCTCACCCTCCGCGGACCTCTTGGGGCTGCGGGCAGCCCCTCCCCCTGCTGCACCCCCAGCTCCTGTAGG
CGGGAACCTCCTGGTGGATGTTTTCTCTGACGGCCCCACTGCACAGCCCAGCCTGGGTCCCACCCCTGAG
GAGGCCTTCCTCAGCGAGCTGGAGCCCCCTGCCCCTGAGAGCCCCATGACTTTGTTGGCTGACCCAGCTC
CAGCTGCTGACCCAGGTCCTGAGGACATAGGTCCTCCCATTCCAGAAGCAGATGAACTGCTGAATAAGTT
CGTGTGTAAGAATAGTGGGGTCTTGTTTGAGAACCAGCTGCTGCAGATCGGAGTCAAGTCTGAGTTCCGG
CAGAACCTGGGCCGCATGTATCTCTTCTATGGCAACAAGACTTCTGTGCAGTTCCAGAGCTTCTTGCCCA
CCGTGGTCCACCCTGGGGACCTCCAGACTCATCTGGCGGTGCAGACCAAGCGTGTAGCTGCACAAGTGGA
CGGTGGCGCACAGGTGCAGCAAGTACTCAACATTGAGTGTCTGCGAGACTTCTTGACGCCACCACTGCTG
TCGGTGCGCTTCCGGTACGGTGGCACCGCCCAGTCCCTCACTCTGAAGCTCCCAGTGACCATCAACAAAT
TCTTCCAGCCCACAGAGATGGCCGCCCAGGACTTTTTCCAGCGCTGGAAGCAGCTGAGCCTCCCCCTGCA
GGAGGCACAGAAAATCTTCAAAGCCAACCACCCCATGGATGCTGAAGTCACAAAGGCCAAGCTTCTGGGG
TTTGGCTCTGCTCTTCTGGACAATGTGGATCCCAACCCTGAGAACTTTGTGGGTGCTGGAATCATCCAGA
CGAAAGCCCTGCAGGTGGGGTGTCTGCTTCGACTGGAGCCCAATGCCCAGGCCCAAATGTACCGCCTAAC
CCTGCGCACCAGCAAAGAGCCTGTGTCCCGTCACTTATGTGAGCTGCTGGCCCAGCAGTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Restriction Sites:	SgfI-MluI
ACCN:	NM_001107511
Insert Size:	2934 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 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_001107511.2, NP_001100981.1
RefSeq Size:	2934 bp
RefSeq ORF:	2934 bp
Locus ID:	308578
Cytogenetics:	1q22

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