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Product datasheet for RR208798

Ap2a1 (NM_001107511) Rat Tagged ORF Clone

Product data:

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

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ORF Nucleotide Sequence:

>RR208798 representing NM_001107511
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGGCTGTATCCAAAGGCGATGGCATGCGTGGGCTTGCCGTGTTCATCTCCGACATCCGGAACTGCA
AGAGCAAAGAGGCTGAGATCAAGAGGATCAACAAGGAACTGGCCAACATCCGCTCCAAGTTCAAAGGGGA
CAAGGCCTTGGATGGCTACAGTAAAAAGAAGTATGTGTGTAAGCTGCTCTTCATCTTCCTGCTTGGCCAT
GACATTGACTTTGGACACATGGAGGCTGTGAACCTGCTAAGCTCCAACAAGTACACAGAGAAGCAGATAG
GGTACCTGTTCATCTCAGTCCTGGTGAACTCGAACTCAGAGCTGATCCGGCTCATTAACAACGCTATCAA
GAACGACCTGGCCAGTCGCAACCCCACCTTCATGTGCCTGGCTTTGCACTGTATTGCCAACGTGGGCAGC
CGTGAGATGGGCGAGGCCTTTGCTGCCGACATTCCCCGAATCCTGGTGGCCGGAGACAGCATGGATAGTG
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CAGCTGCTGACCCAGGTCCTGAGGACATAGGTCCTCCCATTCCAGAAGCAGATGAACTGCTGAATAAGTT
CGTGTGTAAGAATAGTGGGGTCTTGTTTGAGAACCAGCTGCTGCAGATCGGAGTCAAGTCTGAGTTCCGG
CAGAACCTGGGCCGCATGTATCTCTTCTATGGCAACAAGACTTCTGTGCAGTTCCAGAGCTTCTTGCCCA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

>RR208798 representing NM_001107511
Red=Cloning site Green=Tags(s)

MPAVSKGDGMRGLAVFISDIRNCKSKEAEIKRINKELANIRSKFKGDKALDGYSKKKYVCKLLFIFLLGH
DIDFGHMEAVNLLSSNKYTEKQIGYLFISVLVNSNSELIRLINNAIKNDLASRNPTFMCLALHCIANVGS
REMGEAFAADIPRILVAGDSMDSVKQSAALCLLRLYKASPDLVPMGEWTARVVHLLNDQHMGVVTAAVSL
ITCLCKKNPDDFKTCVSLAVSRLSRIVSSASTDLQDYTYYFVPAPWLSVKLLRLLQCYPPPEDAAVKGRL
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ESMCTLASSEFSHEAVKTHIDTVINALKTERDVSVRQRAADLLYAMCDRSNAKQIVSEMLRYLETADYAI
REEIVLKVAILAEKYAVDYSWYVDTILNLIRIAGDYVSEEVWYRVLQIVTNRDDVQGYAAKTVFEALQAP
ACHENMVKVGGYILGEFGNLIAGDPRSSPPVQFSLLHSKFHLCSVATRALLLSTYIKFINLFPETKATIQ
GVLRAGSQLRNADVELQQRAVEYLTLSSVASTDVLATVLEEMPPFPERESSILAKLKRKKGPGAASALDD
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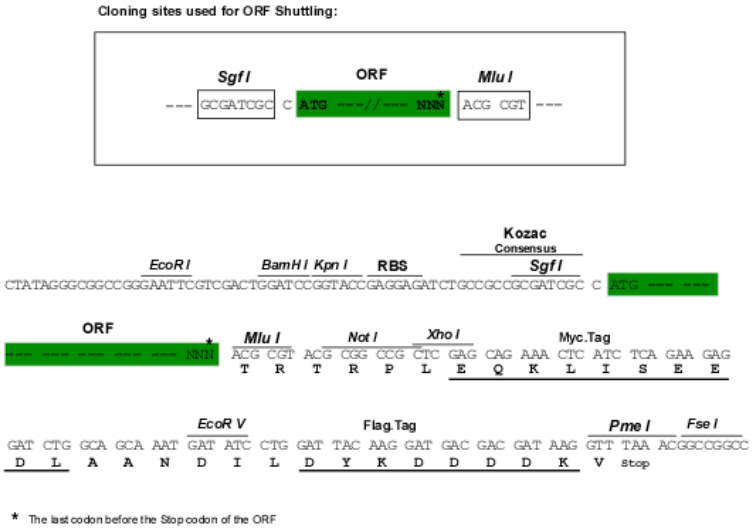
QNLGRMYLFYGNKTSVQFQSFLPTVVHPGDLQTHLAVQTKRVAAQVDGGAQVQQVLNIECLRDFLTPPLL
SVRFRYGGTAQSLTLKLPVTINKFFQPTEMAAQDFFQRWKQLSLPLQEAQKIFKANHPMDAEVTKAKLLG
FGSALLDNVDPNPENFVGAGIIQTKALQVGCLLRLEPNAQAQMYRLTLRTSKEPVSRHLCELLAQQF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja2166_e03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001107511

ORF Size: 2931 bp

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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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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
MW:	108.1 kDa

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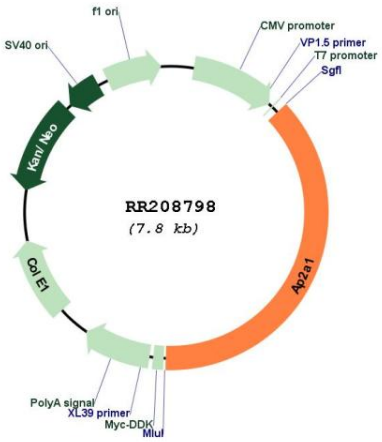
Product images:



Circular map for RR208798

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