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 RR202434

Pappa1 (NM_001107939) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Pappa1 (NM_001107939) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Pappa1
Synonyms:	Pappa
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR202434 representing NM_001107939 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGGCATTCACACCATCAGTGATCAAGGCAACAGAGATCCACGCTACTTTTTCTCCTTGAAGACAGACC GGGCCAGGAAAGTAACCACCATTGATGCCCATCGCAGCTACCTCCCGGGTCAGTGGGTGCACCTAGCTGC TACCTACGATGGGCGACTGATGAAGCTCTATATGAATGGTGCCCAGGTGGCGACCTCAGCGGAGCAAGTA GGTGGCATATTCAGCCCACTGACCCAGAAGTGTAAAGTGCTTATGTTGGGGGGCAGTGCTCTGAATCACA ACTTCCGGGGCCACATTGAACACTTCAGTCTATGGAAAGTAGCCAGAACCCAGCGAGAGATACTATCCGA CATGGAAACGCGTGGCCTCCACACCCCTCTACCTCAGCTCCTCCTCCAGGAGAACTGGGACAATGTGAAG CGCACTTGGTCCCCTATGAAGGATGGCCACAGCCCCCAGGTGGAATTCAGCAATGCACATGGCTTCCTGT TGGACACTAATTTGGAGCCCCCTCTTTGCGGGCAGACACTGTGTGACAACACAGAGGTCATCTCCAGTTA CAATCAGCTCCCAAGTTTTCGGCAGTCCAAGGTGGTGCGCTATCGTGTGGTCAACATCTATGATGATCAC CATGAAAACCCTACAGTGAGCTGGCAGCAGATTGACTTTCAGCACCAACAGCTGGCTGAGGCCTTCCAGC ACTACAACATCTCCTGGGAGTTGGACGTACTAGATATAAACAGTTCCTCTCTGCGTCACCGCCTCATCCT GGCCAACTGTGACATCAGCAAGATTGGGGATGAAAAATGCGACCCTGAATGTAACCATACACTGACTGGC CATGACGGTGGGGATTGCCGGCAGCTGCGCTACCCTGCATTCATGAAGAAGCAGCAGAATGGCGCATGTG ACATGGACTGCAACTACGAAAGGTTTAATTTTGATGGTGGAGAGTGCTGTGACCCAGACATCACTGATGT CACTAAGACATGCTTTGATCCTGACTCTCCACACAGAGCCTACTTGGATGTTAATGAGCTAAAGAACATT CTTAAACTGGATGGATCAACACATCTCAATATTTTCTTTGCAAACTCTTCAGAGGAGGAGTTGGCAGGAG TGGCAACTTGGCCATGGGACAAGGAGGCCCTAATGCACTTGGGCGGTATTGTCTTGAACCCGTCTTTCTA TGGCATTCCTGGACACACCCACACCATGATCCATGAGATTGGGCATAGCCTGGGCCTCTATCACATCTTC CGTGGTATCTCAGAAATCCAGTCCTGCAGTGATCCTTGCATGGAGACAGAGCCCTCATTTGAAACTGGAG ACCTCTGCAATGACACCAACCCAGCCCCTAAACACAAGTTTTGTGGAGACCCTGGACCAGGGAATGACAC TTGTGGCTTTCATGGCTTCTTCGACACTCCTTATAACAACTTCATGAGCTATGCAGATGACGACTGTACA GACTCTTTCACGCCCAATCAAGTCTCCAGAATGCACTGTTACCTGGACCTCGTATACCAGAGCTGGCAGC

View online »

CCTCCAGAAAGCCAGCACCTGTAGCTCTTGCACCCCAGATTGTGGGCCACACAACCGACTCTGTGATGCT
AGAGTGGTTCCCACCCATCGATGGCCACTTCTTTGAAAGAGAATTGGGATCAGCATGTGACCTTTGCCTA
GAAGGGAGAATCCTGGTGCAATATGCTTTCAATGCTTCCTCCCCCATGCCCTGTGGACCATCGGGACACT
GGAGTCCTCGGGAAGCAGAAGGTCACCCAGATGTTGAACAGCCCTGTAAATCCAGTGTCCGTACCTGGAG
TCCAAATTCAGCTGTCAACCCACACACAGTCCCTCCAGCCTGCCCTGAGCCACAAGGCTGCTACCTCGAG
CTGGAATTCCGCTACCCCTTGGTCCCTGAGTCTCTGACCATCTGGGTAACCTTTGTCTCCAGTGACTGGG
ACTCCAGTGGAGCTGTCAATGACATCAAACTCTTGACTGTTAGTGGAAAGAACATCTCTTTGGGTCCTCA
AAATGTCTTCTGTGATATCCCACTTACCATCAGACTCCGAGATGTGAGTGAGGAGGTATATGGCATCCAA
ATCTATACTCTGGATGAACACCTGGAAATTGATGCAGCCATGTTGACCTCCGCTGTAGACAGCCCACTCT
GTCTACAGTGTAAACCCCTGCAATACAAAGTGCTCAGAGACCCACCTCTGCTGGATGACGTAGGCTCATT
ACTCCACCTCAACAGAAGATTCATGGATATGGATCTGAAACTTGGCAATGTGTACCAGTACCGGATTATC
ACCATATCAGGAAACGAAGAGAGTGAGCCCTCACCTGCTGCCATATACACCCATGGAAGTGGGTACTGTG
GTGATGGCGTTATTCAAAAAGACCAAGGGGAAGAATGTGATGATATGAATAAGGTCAACGGGGATGGCTG
CTCCCTTTTCTGCAAGCAAGAAGTTTCCTTCAACTGCATTGATGAACCCAGCCGGTGCTATTTCCATGAT
GGGGATGGGATGTGTGAAGAGTTTGAGCAAAAAACTAGCATTAAAGACTGTGGTGTCTACACGCCCCAGG
GTTTCCTGGATCAGTGGGCGTCCAATGCTTCAGTATCCCATCAAGACCAGCAGTGCCCAGGTTGGGTTGT
CATTGGGCAGCCGGCAGCCTCTCAGGTGTGTCGAACCAAGGTGATAGATCTCAGTGAAGGCATTTCCCAG
CATGCTTGGTATCCTTGCACCATCAATTACCCATACTATCAGCTGCCTCAGACCACATTCTGGCTCCAGA
CATATTTCTCTCAGCCAATGGTGGCTGCAGCTGTTATTATTCACCTGGTGACTGATGGGACATACTATGG
GGACCAAAAGCAAGAGACCATCAGCCTCCATGTCTTGAGCTGCAGAAACAATCCCCTGATTATCCCTGTG
GTCCATGACCTCAGCCAGCCCTTCTACCACAGCCAGGCGGTACATGTGAGCTTCAGTTCGCCCCTGGTCG
CCATCTCGGGGGTGGCCCTCCGATCCTTCGACAACTTTGACCCCGTCACCCTGAGCAGCTGCCAGAGAGG
AGAGACCTACAGCCCTGCTGAGCAGAGCTGTGTGCATTTTGCCTGTGAAGCCACGGACTGCCCAGAACTG
ACTGTGGAGAATGCTTCTCTCAACTGTTCCAGCAGCCATCGTTATCATGGTGCTCAGTGCACCGTAAGCT
GCCAGACAGGTTATGTGCTGCAGATACAGCGAGATGATGAGCTAATCAAGAGCCAGGTAGGGCCAAGCGT
CACAGTGACATGTACAGAGGGCAAATGGAACAAGCAGGTGGCATGTGAGCCTGTAGACTGCGGTATCCCG
GATCACCATCACGTCTACGCCGCCTCCTTCTCCTGTCCAGAGGGCAACAACAGCTTTCTGACCTGTATGG
AAGATGGACTGTGGTCCTTCCCAGAGGCACTGTGTGAGCTTATGTGCCTCGCCCCACCCCCAGTTCCCAA
TGCGGACCTACAGACAGCCCGGTGTCGCGAGAACAAGCACAAGGTGGGCTCCTTATGCAAGTACAAGTGC
AAACCTGGATACCATGTGCCTGGCTCATCTCGGAAGTCCAAGAAACGGGCCTTCAAGACTCAATGTACTC
AAGACGGCAGCTGGCAAGAGGGAACATGTGTGCCGGTGACTTGTGACCCACCTCCACCCAAATTCCATGG
GCTCTATCAGTGCACTAATGGCTTCCAGTTCAATAGTGAGTGTAGGATCAAGTGTGAAGACAGTGATGCC
TCCCAGGGCCGTGGGAGCAACACCATTCACTGCCGGAAAGACGGCACTTGGAGTGGTTCCTTCCATGTCT
GCCGAGAGATGCAAGGCCAGTGCTCAGCCCCAAACCAACTCAACAGTCACCTCAAATTGCAGTGTCCTGA
CGGCTATGCCATAGGGTCAGAGTGTGCCACCTCGTGCCTGGACCACAACAGCGAGTCCATTATCCTGCCT
GTTAACTTGACGGTGCGTGACATTCCCCATTGGATGAACCCCACACGAGTACAGAGGATTGTCTGCACTG
CTGGTCTCCAGTGGTATCCCCACCCTGCTCGGATCCACTGTGTCAAAGGCTGTGAGCCATTCATGGGAGA
CAATTACTGTGATGCCATCAACAATCGAGCCTTCTGCAACTATGATGGTGGGGACTGCTGCACCTCCACA
GTAAAGACCAAAAAGGTCACTCCCTTTCCTATGTCCTGTGACCTACAAGATGACTGCGCCTGTCGGGACC
CTGAGGCCCAAGAACACAGCCGGAAAGACCTTCGTGGATATAGCCATGGC

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

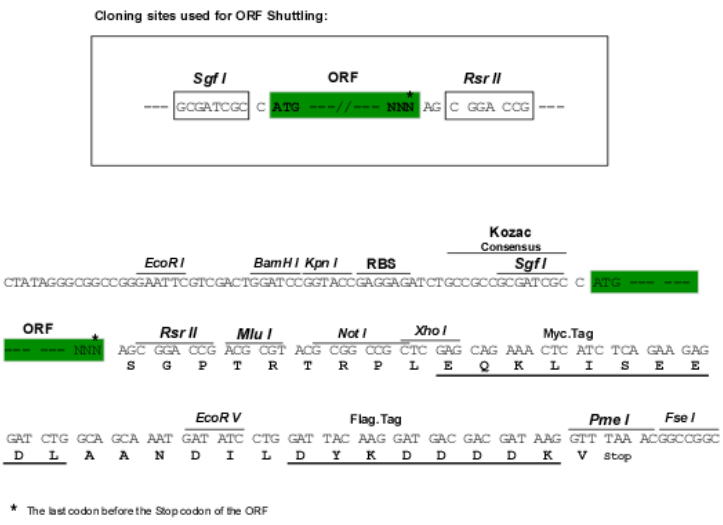
>RR202434 representing NM_001107939
Red=Cloning site Green=Tags(s)

MGIHTISDQGNRDPRYFFSLKTDRARKVTTIDAHRSYLPGQWVHLAATYDGRLMKLYMNGAQVATSAEQV
GGIFSPLTQKCKVLMLGGSALNHNFRGHIEHFSLWKVARTQREILSDMETRGLHTPLPQLLLQENWDNVK
RTWSPMKDGHSPQVEFSNAHGFLLDTNLEPPLCGQTLCDNTEVISSYNQLPSFRQSKVVRYRVVNIYDDH
HENPTVSWQQIDFQHQQLAEAFQHYNISWELDVLDINSSSLRHRLILANCDISKIGDEKCDPECNHTLTG
HDGGDCRQLRYPAFMKKQQNGACDMDCNYERFNFDGGECCDPDITDVTKTCFDPDSPHRAYLDVNELKNI
LKLDGSTHLNIFFANSSEEELAGVATWPWDKEALMHLGGIVLNPSFYGIPGHTHTMIHEIGHSLGLYHIF
RGISEIQSCSDPCMETEPSFETGDLCNDTNPAPKHKFCGDPGPGNDTCGFHGFFDTPYNNFMSYADDDCT
DSFTPNQVSRMHCYLDLVYQSWQPSRKPAPVALAPQIVGHTTDSVMLEWFPPIDGHFFERELGSACDLCL
EGRILVQYAFNASSPMPCGPSGHWSPREAEGHPDVEQPCKSSVRTWSPNSAVNPHTVPPACPEPQGCYLE
LEFRYPLVPESLTIWVTFVSSDWDSSGAVNDIKLLTVSGKNISLGPQNVFCDIPLTIRLRDVSEEVYGIQ
IYTLDEHLEIDAAMLTSAVDSPLCLQCKPLQYKVLRDPPLLDDVGSLLHLNRRFMDMDLKLGNVYQYRII
TISGNEESEPSPAAIYTHGSGYCGDGVIQKDQGEECDDMNKVNGDGCSLFCKQEVSFNCIDEPSRCYFHD
GDGMCEEFEQKTSIKDCGVYTPQGFLDQWASNASVSHQDQQCPGWVVIGQPAASQVCRTKVIDLSEGISQ
HAWYPCTINYPYYQLPQTTFWLQTYFSQPMVAAAVIIHLVTDGTYYGDQKQETISLHVLSCRNNPLIIPV
VHDLSQPFYHSQAVHVSFSSPLVAISGVALRSFDNFDPVTLSSCQRGETYSPAEQSCVHFACEATDCPEL
TVENASLNCSSSHRYHGAQCTVSCQTGYVLQIQRDDELIKSQVGPSVTVTCTEGKWNKQVACEPVDCGIP
DHHHVYAASFSCPEGNNSFLTCMEDGLWSFPEALCELMCLAPPPVPNADLQTARCRENKHKVGSLCKYKC
KPGYHVPGSSRKSKKRAFKTQCTQDGSWQEGTCVPVTCDPPPPKFHGLYQCTNGFQFNSECRIKCEDSDA
SQGRGSNTIHCRKDGTWSGSFHVCREMQGQCSAPNQLNSHLKLQCPDGYAIGSECATSCLDHNSESIILP
VNLTVRDIPHWMNPTRVQRIVCTAGLQWYPHPARIHCVKGCEPFMGDNYCDAINNRAFCNYDGGDCCTST
VKTKKVTPFPMSCDLQDDCACRDPEAQEHSRKDLRGYSHG

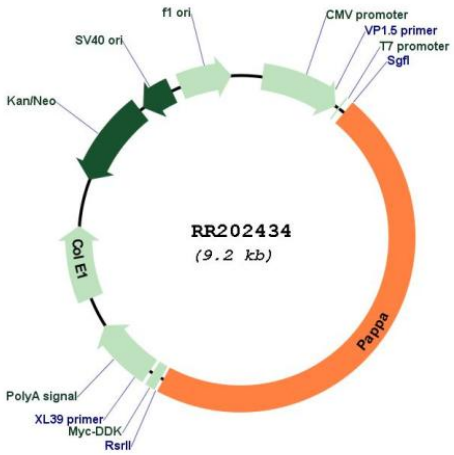
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-RsrII

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001107939
ORF Size:	4320 bp
OTI Disclaimer:	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_001107939.1, NP_001101409.1
RefSeq Size:	4933 bp
RefSeq ORF:	4323 bp
Locus ID:	313262
Cytogenetics:	5q24
MW:	160.9 kDa