

Product datasheet for **RC205956**

PAPOLA (NM_032632) Human Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | PAPOLA (NM_032632) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | PAPOLA |
| Synonyms: | PAP; PAP-alpha |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide
Sequence:

>RC205956 representing NM_032632
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCCGTTTCCAGTTACAACACAGGGATCACAAACAACACCGCCACAGAAGCACTATGGCATTACTT
CTCCTATCAGCTTAGCAGCCCCAAGGAGACTGACTGCGTACTTACACAGAACTAATTGAGACATTGAA
ACCCTTTGGGTTTTTTGAAGAGGAAGAGGAACTGCAGCGCAGGATTTTAAATTTGGGAAAATAAATAAC
CTGGTAAAAGAGTGGATACGAGAAATCAGTGAAGCAAGAATCTCCACAATCTGTAATTGAAAATGTTG
GAGGAAAAATTTTACATTTGGATCTTACAGATTAGGAGTGCATACAAAAGGTGCTGATATTGATGCGTT
GTGTGTTGCACCAAGACATGTTGATCGAAGTACTTTTTACCTCATTCTATGATAAGTTGAAATTACAG
GAAGAAGTAAAAGATTTAAGAGCTGTTGAAGAGGCATTCGTACCAGTTATTAACCTCTGTTTTGATGGGA
TAGAGATTGATATTTGTTTGAAGATTAGCACTGCAGACAATTCCTGAAGATTTGGATCTACGAGATGA
CAGTCTGTAAAAATTTAGATATAAGATGTATAAGAAGTCTTAACGGTTGCAGGGTAACCGATGAAATT
TTACATCTAGTACCAAACATTGACAACCTCAGGTTAACTCTGAGAGCTATCAAACATGGGCCAAACGCC
ACAACATCTATTCCAATATATTAGGTTTCTCGGTGGTGTTCCTGGGCTATGCTAGTAGCAAGAATTG
CCAGCTTTATCCAAATGCAATAGCATCAACTCTTGACATAAAATTTTCTTGGTATTTTCTAAATGGGAA
TGGCCAAATCCAGTGCTATTGAAACAGCCTGAAGAATGCAATCTAATTTGCCTGTATGGGACCCAAGGG
TAAACCCAGTGATAGGTACCATCTTATGCCTATAATTACACCAGCATACCCACAACAGAACTCCACGTA
CAATGTGTCCGTTTCAACACGGATGGTCATGGTTGAGGAGTTTAAACAAGGTCTTGCTATCACAGATGAA
ATTTTGTGAGTAAGGCAGAGTGGTCCAACTTTTTGAAGCTCCAACTCTTTCAAAGTACAAGCATT
ATATTGTACTTCTAGCAAGTGCACCAACAGAAAAACAACGCCTGGAATGGGTGGGCTTGGTGAATCAAA
AATCCGAATCCTGGTTGGAAGCTTGGAGAAGAATGAATTTATTACACTGGCTCATGTGAATCCCCAGTCA
TTTCCAGCACCCAAAGAAAATCCCGACAAGGAAGAATTCGCACGATGTGGGTGATTGGGTAGTGTTTA
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TTATAGGCAAGCAATAAACAGCAAGATGTTTGGGTGGATATGAAAATTGCTGCAATGCATGTA AAAAGA
AAGCAACTCCATCAACTACTACCTAATCATGTGCTTCAGAAAAAGAAAAAGCATTCAACAGAAAGGTGCA
AATTGACAGCTCTCAATGACAGCAGCCTCGACTTGTCTATGGACAGTGATAACAGCATGTCTGTGCCTC
ACCTACTAGTGTACGAAGACCAGTCCATTGAACAGTTCTGGCAGCTCTCAGGGCAGAAACAGTCCCTGCT
CCAGCTGTAAACAGCAGCATCTGTGACCAACATACAGGCTACTGAAGTTTCTGTGCCACAAGTAAATTCCA
GTGAAAGCTCAGGGGTACATCGAGTGAAGCATTCTCCTCAAACGCCACACAACCAGCCATTTCTCCACC
ACCAAAGCTACGGTCTCCAGAGTTGTTTCTTCAACACGTCTGGTAAACCCACCCTAGATCTTCAGGA
AATGCAGCAACTTCAGGAAATGCAGCAAAAAATACCTACTCCTATAGTAGGAGTCAAGAGGACATCCT
CACCTCATAAAGAAGAGAGTCCCAAGAAAACAAAACAGAAGAGGATGAAACAAGTGAAGATGCTAACTG
TCTTGCTTTGAGTGGACATGATAAAACAGAAGCAAAGGAACAACCTTGATACAGAGACAAGTACAACCTCA
TCAGAACTATTCAGACAGCGGCTTCTCTGTTGGCCTCTCAGAAAACATCCAGTACAGACCTTTCTGATA
TCCCTGCTCTCCCTGCAATCCTATTCTGTTATCAAGAATTCAATAAACTGAGATTGAATCGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205956 representing NM_032632
Red=Cloning site Green=Tags(s)

MPFPVTTQGSQQTQPQKHYGITSPISLAAPKETDCVL TQKLIETLKPFGVFEEEEELQRRILILGKLN
LVKEWIREISESKNLPQSVIENVGGKIFTFGSYRLGVHTKGADIDALCVAPRHVDRSDFFTSFYDKLKLQ
EEVKDLRAVEEAFVPVIKLCFDGIEIDILFARLALQTIPEDLDRDSSLKLNLDIRCIRSLNGCRVTDEI
LHLVFNIDNFRLTLRAIKLWAKRHNIYSNILGFLGGVSWAMLVARTCQLYPNAIASTLVHKFFLVFSKWE
WPNPVLKQPEECNLNLPVWDPVNPSPDRYHLMPIITPAYPQQNSTYNVSVSTRMVMVEEFKQGLAITDE
ILLSKAEWSKLFAPNFFQKYKHYIVLLASAPTEKQRLEWVGLVESKIRILVGSLEKNEFITLAHVNPQS
FPAPKENPDKEEFRTMWVIGLVFKKTENSENLSVDLTYDIQSFTDVTYRQAINSKMFVDMKIAAMHVKR
KQLHQLLPNHVLQKKKHSTEGVKLTALNDSSLDLSDSDNSMSVSPSATSATKTSPLNSSGSSQGRNSPA
PAVTAASVTNIQATEVSVQVNSSESSGGTSSSIPQTATQPAISPPPKPTVSRVVSSTRLVNPPRRSSG
NAATSGNAATKIPTPIVGVKRTSSPHKEESPCKTKTEEDETSEDANCLALSGHDKTEAKEQLDTETSTTQ
SETIQTAAASLLASQKTSSTDLSDIPALPANPIPVIKNSIKLRLNR

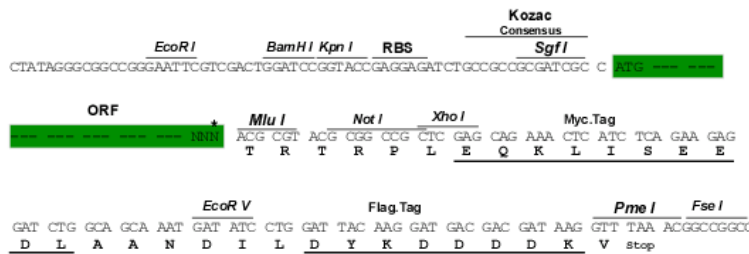
TRTRPLEQKLISEEDLANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg2930_d05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_032632

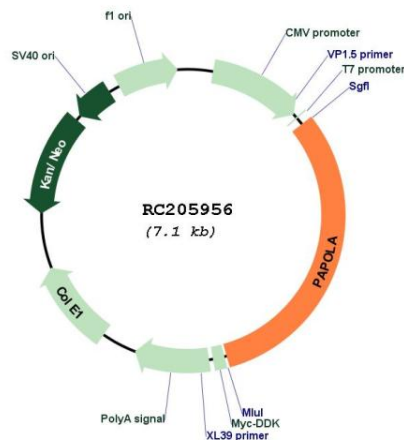
ORF Size: 2235 bp

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](#)

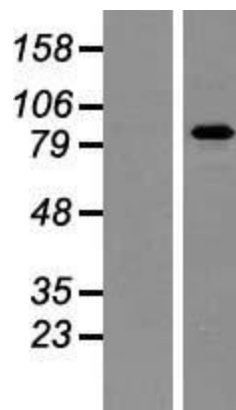
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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| 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: | NM_032632.4 |
| RefSeq Size: | 4539 bp |
| RefSeq ORF: | 2238 bp |
| Locus ID: | 10914 |
| UniProt ID: | P51003 |
| Cytogenetics: | 14q32.2 |
| Domains: | NTP_transf_2, PAP_central |
| Protein Families: | Transcription Factors |
| Protein Pathways: | RNA degradation |
| MW: | 82.7 kDa |
| Gene Summary: | The protein encoded by this gene belongs to the poly(A) polymerase family. It is required for the addition of adenosine residues for the creation of the 3'-poly(A) tail of mRNAs. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011] |

Product images:



Circular map for RC205956



Western blot validation of overexpression lysate (Cat# [LY409989]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205956 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).