

Product datasheet for **RG205956**

PAPOLA (NM_032632) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PAPOLA (NM_032632) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PAPOLA
Synonyms:	PAP; PAP-alpha
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG205956 representing NM_032632
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGTTTCCAGTTACAACACAGGGATCACAAACAACACCGCCACAGAAGCACTATGGCATTACTT
CTCCTATCAGCTTAGCAGCCCCAAGGAGACTGACTGCGTACTTACACAGAACTAATTGAGACATTGAA
ACCCTTTGGGTTTTTGAAGAGGAAGAGGAACTGCAGCGCAGGATTTTAAATTTGGGAAAATAAATAAC
CTGGTAAAAGAGTGGATACGAGAAATCAGTGAAAGCAAGAATCTCCACAATCTGTAATTGAAAATGTTG
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GTGTGTTGCACCAAGACATGTTGATCGAAGTGACTTTTTACCTCATTCTATGATAAGTTGAAATTACAG
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TTACATCTAGTACAAACATTGACAACCTCAGGTTAACTCTGAGAGCTATCAAACATGGGCCAAACGCC
ACAACATCTATTCCAATATATTAGGTTTCTCGGTGGTGTTCCTGGGCTATGCTAGTAGCAAGAATTG
CCAGCTTTATCCAAATGCAATAGCATCAACTCTTGACATAAAATTTTCTTGGTATTTTCTAAATGGGAA
TGGCCAAATCCAGTGCTATTGAAACAGCCTGAAGAATGCAATCTAATTTGCCTGTATGGGACCCAAGGG
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ATATTGTACTTCTAGCAAGTGCACCAACAGAAAAACAACGCCTGGAATGGGTGGGCTTGGTGGAAATCAA
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ACCAAAGCTACGGTCTCCAGAGTTGTTTCTTCAACACGTCTGGTAAACCCACCCTAGATCTTCAGGA
AATGCAGCAACTTCAGGAAATGCAGCAACAAAAATACCTACTCCTATAGTAGGAGTCAAGAGGACATCCT
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TCAGAACTATTACAGACAGCGCTTCTCTGTTGGCCTCTCAGAAAACATCCAGTACAGACCTTTCTGATA
TCCCTGCTCTCCCTGCAATCCTATTCTGTTATCAAGAATTCATAAAAACCTGAGATTGAATCGG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG205956 representing NM_032632
Red=Cloning site Green=Tags(s)

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MPFPVTTQGSQQTQPQKHYGITSPIISLAAPKETDCVL TQKLIETLKPFGVFEEEEELQRRILILGKLN
LVKEWIREISESKNLPQSVIENVGGKIFTFGSYRLGVHTKGADIDALCVAPRHVDRSDFFTSFYDKLKLQ
EEVKDLRAVEEAFVPVIKLCFDGIEIDILFARLALQTIPEDLDLRDSSLKLNLDIRCI RSLNGCRVTDEI
LHLVFNIDNFRLTLRAIKLWAKRHNIYSNILGFLGGVSWAMLVARTCQLYPNAIASTLVHKFFLVFSKWE
WPNPVLLKQPEECNLNLPVWDPRVNPSTRYHLMPIITPAYPQQNSTYNVSVSTRMVMVEEFKQGLAITDE
ILLSKAEWSKLFAPNFFQKYKHYIVLLASAPTEKQRLEWVGLVESKIRILVGSLEKNEFITLAHVNPQS
FPAPKENPDKEEFRTMWVIGLVFKKTENSENLSVDLTYDIQSFTDVTYRQAINSKMFVDMKIAAMHVKR
KQLHLQLLPNHVLQKKKKHSTEGVKLTALNDSSLDL SMDSDNSMSVSPSTSATKTSPLNSSGSSQGRNSPA
PAVTAASVTNIQATEVSVQVNSSESSGGTSSSIPQTATQPAISPPP KPTVSRVVSSTRLVNPPRSSG
NAATSGNAATKIPTPIVGVKRTSSPHKEESP KTKTEEDETSEDANCLALSGHDKTEAKEQLDTETSTTQ
SETIQTAASLLASQKTSSTDLSDIPALPANPIPVIKNSIKLRLNR
    
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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.

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_032632.4](#)

RefSeq Size: 4539 bp

RefSeq ORF: 2238 bp

Locus ID: 10914

UniProt ID: [P51003](#)

Cytogenetics: 14q32.2

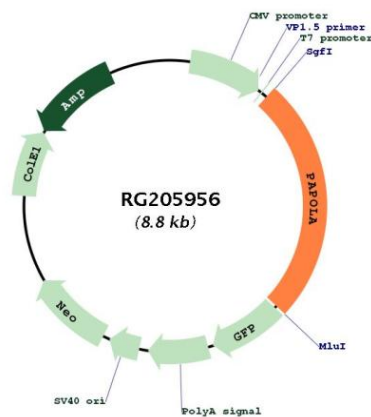
Domains: NTP_transf_2, PAP_central

Protein Families: Transcription Factors

Protein Pathways: RNA degradation

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 RG205956