

## Product datasheet for **RC238557**

### **PAPOLA (NM\_001293628) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PAPOLA (NM_001293628) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PAPOLA
Synonyms:	PAP; PAP-alpha
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC238557 representing NM\_001293628  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTAGTAGCAAGAACTTGCCAGCTTTATCCAATGCAATAGCATCAACTCTTGTACATAAATTTTTCT  
 TGGTATTTCTAAATGGGAATGGCCAAATCCAGTGCTATTGAAACAGCCTGAAGAATGCAATCTTAATTT  
 GCCTGTATGGGACCCAAGGGTAAACCCAGTGATAGGTACCATCTTATGCCTATAATTACACCAGCATA  
 CCACAACAGAACTCCACGTACAATGTGTCGGTTTCAACACGGATGGTCATGGTTGAGGAGTTAAACAAG  
 GTCTTGCTATCACAGATGAAATTTGCTGAGTAAGGCAGAGTGGTCCAACTTTTTGAAGCTCCAACTT  
 CTTTCAAAGTACAAGCATTATATTGACTTCTAGCAAGTGCACCAACAGAAAAACAACGCTGGAATGG  
 GTGGGCTTGGTGAATCAAAAATCCGAATCCTGGTTGGAAGCTTGAGAGAAGTGAATTTATTACACTGG  
 CTCATGTGAATCCCAGTCATTTCCAGCACCCAAAGAAAATCCCGACAAGGAAGAATTTCCGACGATGTG  
 GGTGATTGGGTTAGTGTTAAAAAACAGAAAACCTCTGAAAACCTCAGTGTGATCTCACCTATGATATT  
 CAGTCTTTCACAGATACAGTTTATAGGCAAGCAATAAACAGCAAGATGTTTGAGGTGGATATGAAAATTG  
 CTGCAATGCATGTAAAAAGAAAGCAACTCCATCAACTACTACCTAATCATGTGCTTCAGAAAAAGAAAA  
 GCATTCACAGAAGGTGTCAAATGACAGCTCTCAATGACAGCAGCCTCGACTTGTCTATGGACAGTGAT  
 AACAGCATGTCTGTGCCTTCCACTACTAGTGCTACGAAGACCAGTCCATTGAACAGTTCTGGCAGCTCTC  
 AGGGCAGAAACAGTCTGCTCCAGCTGTAAACAGCAGCATCTGTGACCAACATACAGGCTACTGAAGTTTC  
 TGTGCCACAAGTAAATCCAGTGAAAGCTCAGGGGTACATCGAGTGAAGCATTCTCAAACGCCACA  
 CAACCAGCCATTTCTCCACCACCAAGCCTACGGTCTCCAGAGTGTTTCTTCAACACGCTCTGGTAAACC  
 CACCACCTAGATCTTCAGGAAATGCAGCAACTTCAGGAAATGCAGCAACAAAAATACCTACTCTATAGT  
 AGGAGTCAAGAGGACATCCTCACCTCATAAAGAAGAGAGTCCCAAGAAAACCAAAACAGAAGAGGATGAA  
 ACAAGTGAAGATGCTAACTGTCTTGGCTTGGAGTGGACATGATAAAACAGAAGCAAAGGAACAACTTGATA  
 CAGAGACAAGTACAACCTCAATCAGAAACTATTCAGACAGCGGCTTCTCTGTTGGCCTCTCAGAAAACATC  
 CAGTACAGACCTTCTGATATCCCTGCTCTCCCTGCAAACTCTATTCTGTTATCAAGAATTCAATAAAA  
 CTGAGATTGAATCGG

**ACGGTACGGCGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA**

**Protein Sequence:**

>RC238557 representing NM\_001293628  
 Red=Cloning site Green=Tags(s)

MLVARTCQLYPNAIASTLVHKFFLVFSKWEWPNPVLLKQPEECNLNLPVWDPRVNPSTRYHLMPIITPAY  
 PQQNSTYNVSVSTRMVMVEEFKQGLAITDEILLSKAEWSKLEAPNFFQYKHYIVLLASAPTEKQRLEW  
 VGLVESKIRILVGSLEKNEFITLAHVNPQSFPAKPNPKKEEFRTMMWIGLVFKKTENSENLSDLTYSI  
 QSFDTVYRQAINSKMFVDMKIAAMHVKRKQLHQLLPNHVLQKKKHSTEGVKLTALNDSLDLSDMSD  
 NSMSVPSPTSATKTSPLNSSGSSQGRNSPAPAVTAASVTNIQATEVSVQVNSSESSGGTSESIPTAT  
 QPAISPPPKPTVSRVVSSTRLVNPPRSGNAATSGNAATKIPTPIVGVKRTSSPHKEESPKKTKTEEDE  
 TSEDANCLALSGHDKTEAKEQLDTETSTTQSETIQTAAASLLASQKTSSTDLSIPALPANPIPVIKNSIK  
 LRLNR

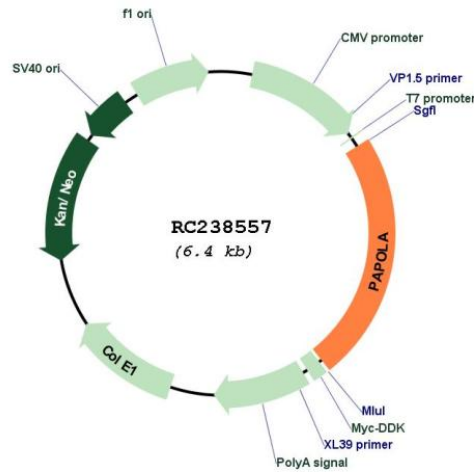
**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Restriction Sites:**

SgfI-MluI



Plasmid Map:



ACCN: NM\_001293628

ORF Size: 1485 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001293628.1</a> , <a href="#">NP_001280557.1</a>
<b>RefSeq Size:</b>	4407 bp
<b>RefSeq ORF:</b>	1488 bp
<b>Locus ID:</b>	10914
<b>UniProt ID:</b>	<a href="#">P51003</a>
<b>Cytogenetics:</b>	14q32.2
<b>Protein Families:</b>	Transcription Factors
<b>Protein Pathways:</b>	RNA degradation
<b>MW:</b>	54.9 kDa
<b>Gene Summary:</b>	<p>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]</p>