

Product datasheet for **RR213091**

Papola (NM_001108056) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Papola (NM_001108056) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Papola
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>RR213091 representing NM_001108056
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGTTTCCAGTTACAACGCAGGGATCACAAACGCAGCCGCCACAGAGGCACTATGGCATTACCT
 CTCTATCAGCTTAGCAGCCCCAAGGAGACCGACTGCCTACTCACACAGAACTCATCGAGACCGTGAA
 GCCCTTTGGGGTTTTTGAAGAAGAAGAGGAACTGCAGCGCAGGATTTTAAATTTGGGAAAATTAATAAC
 CTGGTGAAAGAATGGATACGAGAAATCAGTGAAAGCAAGAATCTCCACAATCTGTAATTGAAAATGTTG
 GAGGAAAAATTTTACATTTGGATCCTACAGACTAGGAGTACATACGAAAGGTGCTGATATTGATGCGTT
 GTGTGTTGCACCAAGACATGTTGATCGAAGTGATTTTTTACCTCATTCTATGATAAATTGAAATTACAA
 GAAGAAGTGAAAGATTTAAGAGCTGTTGAAGAGGCATTTGTACCAGTTATCAAACCTGTGTTTATGAA
 TAGAGATTGATATTTGTTTGAAGATTAGCACTGCAGACTATCCAGAAGATTTGGACCTACGAGATGA
 CAGTCTGCTTAAAAACCTAGATATAAGATGCATAAGAAGCCTTAATGGTTGCAGGGTAACCGATGAGATT
 TTACATCTAGTACAAACATTGACAACCTCAGGTTAACTCTGAGAGCCATCAAACCTGTGGCCAAACGGC
 ACAACATCTATTCCAATATATTAGGTTTCTCGGTGGTGTTCCTGGGCTATGCTAGTAGCAAGAATTG
 CCAGCTTTATCCAAATGCAATAGCATCAACTCTGTACATAAAATTTTCTTGGTATTTTCTAAATGGGAA
 TGGCCAAATCCAGTGCTATTGAAACAGCCTGAAGAATGCAATCTAATTTGCCTGTGTGGGACCCAAAGG
 TAAACCCAGTGATAGGTACCATCTTATGCCTATAATTACACCAGCATACCCACAACAGAACTCCACGTA
 CAATGTGTCGGTTTCAACACGGATGGTCATGGTTGAGGAGTTTAAACAAGGTCTTGCTATCACAGATGAA
 ATTTTGTGAGTAAGGCAGAGTGGTCCAACTTTTTGAAGCTCCAACTCTTTCAAAGTACAAGCATT
 ATTTGTACTTCTAGCAAGTGCGCCACGGAAAAGCAGCGTCTGGAATGGGTGGGCTTGGTGAATCAAA
 AATTCGTATCCTGGTTGGAAGTTTAGAGAAGAATGAGTTTATTACACTGGCTCATGTGAATCCCCAGTCA
 TTTCCAGCCCCAAGGAAAGTCCTGATAGGGAAGAATTCGCACAATGTGGGTGATTGGTTTAGTGTTTA
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 AAGCAGCTCCACCAGCTGCTGCCAAGTCATGTGCTTCCAGAAGGGAAGAAGCATTCAACAGAAGGAGTCA
 AGTTAGCAGCTCTGAATGACAGCAGCCTTGACTTGTCTATGGACAGTGATAACAGCATGTCTGTGCCTC
 ACCCACCAGTGCTATGAAGACCAGTCCATTGAACAGTTCTGGCAGCTCTCAGGGCAGAAACAGTCCCTGCT
 CCAGCTGTGACCGCAGCATCTGTGACCAGCATTAGGCTTCTGAGTTTTCTGTACCACAAGCAAATTTCCA
 GTGAAAGCCCAGGGGTCATCGAGCGAAAGCATTCTCAAACCTGCCACACAGCCAGCCATTTCTCCACC
 ACCAAAGCCTACAGTCTCCAGAGTTGTCTCTCAACACGACTGGTAAACCCGTCGCTAGACCTTAGGA
 AACGCAGCAACAAAAGTACCTAATCCTATAGTAGGAGTCAAGAGAAGCTCCTCACCCATAAAGAAGAAA
 GTCCTAAGAAAACAAAACAGAAGAGGATGAAACAAGTGAAGATGCTAACTGTCTTGGTTGAGTGGACA
 TGATAAAACAGAGACAAAGGAACAAGTTGGCATGGAGACAAGTGGGCTCCGTGAGAAGCTGCTCCGGCC
 TCGGCGTCTCTGGTGGCCTCTCAGAAAACATCCAGTACAGACCTTCCGATATCCCTGCTCTCCCTGCAA
 ACCCTATTCCTGTTATCAAGAATCAATAAACTGAGACTGAATCGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213091 representing NM_001108056
 Red=Cloning site Green=Tags(s)

MPFPVTTQGSQQTQPQRHYGITSPISLAAPKETDCLLTQKLIETLKPFGVFEEEEELQRRILILGKLN
 LVKEWIREISESKNLPQSVIENVGGKIFTFGSYRLGVHTKGADIDALCVAPRHVDRSDFFTSFYDKLKLQ
 EEVKDLRAVEEAFVPVIKLCFDGIEIDILFARLALQTIPEDLDRDSSLKLNLDIRCIRSLNGCRVTDEI
 LHLVFNIDNFRLLRAIKLWAKRHNIYSNILGFLGGVSWAMLVARTCQLYPNAIASTLVHKFFLVFSKWE
 WPNPVLLKQPEECNLNLPVWDPVNPSPDRYHLMPIITPAYPQQNSTYNVSVSTRMVMVEEFKQGLAITDE
 ILLSKAEWSKLEAPNFFQYKHYIVLLASAPTEKQRLWVGLVESKIRILVGSLEKNEFITLAHVNPQS
 FPAPKESPDREEFRMTMWVIGLVFKKTENSENLSVDLTYDIQSFTDVTYRQAINSKMFELDMKIAAMHVKR
 KQLHLQLPSHVLQKRKKHSTEGVLAALNDSSLDLSDSDNSMSVSPSPTSAMKTSPLNSSGSSQGRNSPA
 PAVTAASVTSIQASEVSPQANSSESPGGPSSSIPQTATQPAISPPPPTVSRVVSSTRLVNPSRPSG
 NAATKVPNPIVGVKRTSSPHKEESPCKTKTEDEETSEDANCLALSGHDKTETKEQVGMETSAAPSEAAPA
 SASLVAQKTSSTDLSIPALPANPIPVIKNSIKLRLNR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001108056

ORF Size: 2217 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_001108056.2](#), [NP_001101526.1](#)

RefSeq Size: 4047 bp

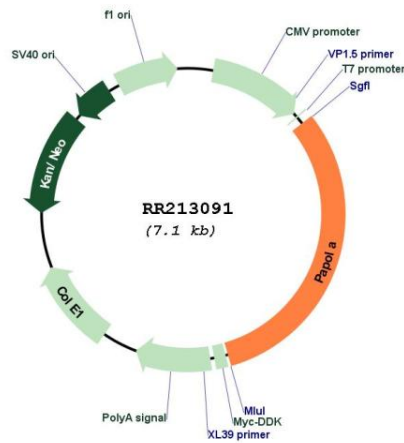
RefSeq ORF: 2220 bp

Locus ID: 314417

Cytogenetics: 6q32

MW: 82.1 kDa

Product images:



Circular map for RR213091