

## Product datasheet for **MR224835**

### Papola (NM\_011112) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Papola (NM_011112) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Papola
Synonyms:	Pap; PapIII; Plap
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide  
Sequence:

>MR224835 representing NM\_011112  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCGTTTCAGTTACAACGCAGGGATCACAAACGCAGCCACCACAGAGGCACTATGGCATTACCT  
 CTCTATCAGCTTAGCGGCCCAAGGAGACTGACTGCCTACTCACACAGAAGCTCATCGAGACGCTGAA  
 GCCCTTTGGGTTTTTTGAAGAAGAAGAGGAACTGCAGCGCAGGATTTTAATTTTGGGAAAATTAATAAC  
 CTGGTGAAAGAATGGATTCGAGAAATCAGTGAAAGCAAGAATCTCCACAATCTGTAATTGAAAATGTTG  
 GAGGGAAGATTTTACATTTGGATCTTACAGACTAGGAGTCCACACGAAAGGTGCTGATATTGATGCGTT  
 GTGTGTTGCACCAAGACATGTTGATCGAAGTGACTTTTTACCTCATTCTATGATAAATTGAAATTACAA  
 GAAGAAGTAAAGATTTAAGAGCTGTTGAAGAGGCATTTGTACCAGTTATCAAACCTGTTTTGATGGAA  
 TAGAGATTGATATTTGTTTGAAGATTAGCACTGCAGACTATCCAGAAGATTTGGACCTACGAGATGA  
 CAGTCTGCTTAAAAACCTAGATAAAGATGCATAAGAAGCCTTAATGGTTGCAGGGTAACCGATGAAATT  
 TTACATCTAGTACAAACATTGACAACCTCAGGTTAACTCTGAGAGCCATCAAACCTGTTGGCCAAACGGC  
 ACAACATCTATTCCAATATATTAGGTTTCTCGGTGGTGTTCCTGGGCTATGCTAGTAGCAAGAATTG  
 CCAGCTTTATCCAAATGCAATAGCATCAACTCTGTACATAAAATTTTCTTGGTATTTTCTAAATGGGAA  
 TGGCCAAATCCAGTGCTATTGAAACAGCCTGAAGAATGCAATCTAATTTGCCTGTGTGGGACCCAAGGG  
 TAAACCCAGTGATAGGTACCATCTTATGCCTATAATTACACCAGCATACCCACAGCAGAAGTCCACGTA  
 CAATGTGTCCGTTTCAACACGGATGGTCATGGTTGAGGAGTTTAAACAAGGTCTTGTCTATCACAGATGAA  
 ATTTTGTGAGTAAGGCAGAGTGGTCCAACTTTTTGAAGCTCCAACTCTTTTCAGAAGTACAAGCATT  
 ATATTGTACTTCTAGCAAGTGCGCCACGGAAAAGCAGCGTCTGGAATGGGTGGGCTTGGTGGAAACAAA  
 AATCCGCATCCTGGTTGGAAGCTTGGAGAAGAATGAGTTTATTACACTGGCTCATGTGAATCCCCAGTCA  
 TTTCCAGCCCCAAAGAAAGTCTGACAGGGAAGAATTCGCACAATGTGGGTGATTGGGTTAGTGTTTA  
 AAAAACTGAAAATCTGAAAATCTCAGTGTGACCTCACCTATGATATCCAGTCTTTCACAGACACAGT  
 TTATAGGCAAGCAATAAACAGCAAAATGTTTGAGTTGGATATGAAGATTGCAGCAATGCATGTGAAGAGA  
 AAGCAACTCCATCAGCTGCTGCCTAGTCACGTGCTTTCAGAAGAGGAAGAAGCATTCAACAGAAGGAGTCA  
 AGTTAACAGCTCTGAATGACAGCAGCCTTGACTTGTCTATGGACAGTGATAACAGCATGTCTGTGCCTTC  
 ACCCACCAGTGTATGAAGACCAGTCCATTGAATAGTTCTGGCAGCTCCCAGGGCAGAAACAGTCCCTGCT  
 CCAGCTGTGACCGCAGCATCTGTGACCAGCATCCAGGCTTCTGAGTTTTCTGTACCGCAAGCAAATTTCCA  
 GTGAAAGCCCAGGGGTCATCGAGCGAAAGCATTCTCAAACCTGCCACACAGCCAGCCATTTCTCCACC  
 ACCAAAGCCTACAGTCTCCAGAGTTGTCTCCTCAACACGACTGGTAAACCCATCGCTAGACCTTAGGA  
 AACACAGCAACAAAAGTCCCTAATCCTATAGTAGGAGTCAAGAGAAGCTCCTCACCAATAAAGAAGAAA  
 GTCCTAAGAAAACAAAACAGAAGAGGATGAAACAAGTGAAGATGCTAACTGTCTTGGTTGAGTGGACA  
 TGATAAAACAGAGACAAAGGAACAAGTTGATCTGGAGACAAGTGCAGTTCAATCAGAAAATGTTCCGGCA  
 TCGGCTTCTCTGTTGGCCTCTCAGAAAACATCCAGTACAGACCTTCTGATATCCCTGCTCTCCCTGCAA  
 ATCCTATTCTGTTATCAAGAATTAATAAACTGAGACTGAATCGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR224835 representing NM\_011112  
Red=Cloning site Green=Tags(s)

MPFPVTTQGSQQTQPQRHYGITSPISLAAPKETDCLLTQKLIETLKPFVGFEEEEELQRRILILGKLN  
 LVKEWIREISESKNLPQSVIENVGGKIFTFGSYRLGVHTKGADIDALCVAPRHVDRSDFFTSFYDKLKLQ  
 EEVKDLRAVEEAFVPVIKLCFDGIEIDILFARLALQTIPEDLDRDSSLKLNLDIRCIRSLNGCRVTDEI  
 LHLVFNIDNFRLLRAIKLWAKRHNIYSNILGFLGGVSWAMLVARTCQLYPNAIASTLVHKFFLVFSKWE  
 WPNPVLKQPEECNLNLPVWDPVNPSPDRYHLMPIITPAYPQQNSTYNVSVSTRMVMVEEFKQGLAITDE  
 ILLSKAEWSKLEAPNFFQKYKHYIVLLASAPTEKQRLEWVGLVESKIRILVGSLEKNEFITLAHVNPQS  
 FPAPKESPDREEFRMTMWVIGLVFKKTENSENLSVDLTYDIQSFTDVTYRQAINSKMFELDMKIAAMHVKR  
 KQLHQLLPSHVLQKRKKHSTEGVKLTALNDSSLDLSDSDNSMSVSPSPTSAMKTSPLNSSGSSQGRNSPA  
 PAVTAASVTSIQASEVSPQANSSESPGGPSSSIPQTATQPAISPPPKPTVSRVVSSTRLVNPSRPPSG  
 NTATKVPNPIVGVKRTSSPNKEESPCKTKTEDEETSEDANCLALSGHDKTETKEQVDLETSAVQSETVPA  
 SASLLASQKTSSTDLSIPALPANPIPVIKNSIKLRLNR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9046\\_h03.zip](https://cdn.origene.com/chromatograms/mm9046_h03.zip)

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_011112

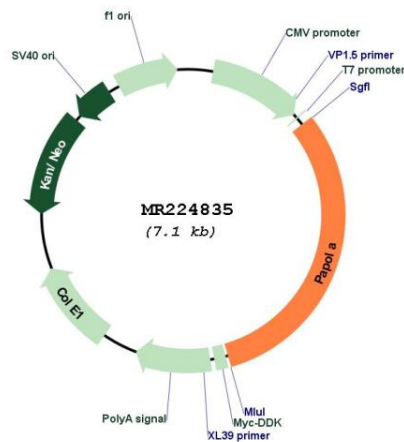
**ORF Size:** 2217 bp

**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\\_011112.4](#)
- RefSeq Size:** 4518 bp
- RefSeq ORF:** 2220 bp
- Locus ID:** 18789
- UniProt ID:** [Q61183](#)
- Cytogenetics:** 12 E
- MW:** 82.8 kDa
- Gene Summary:** Polymerase that creates the 3'-poly(A) tail of mRNA's. Also required for the endoribonucleolytic cleavage reaction at some polyadenylation sites. May acquire specificity through interaction with a cleavage and polyadenylation specificity factor (CPSF) at its C-terminus.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR224835