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Product datasheet for MG224835

Papola (NM_011112) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Papola (NM_011112) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Papola
Synonyms:	Pap; PapIII; Plap
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

ORF Nucleotide Sequence:

>MG224835 representing NM_011112
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGTTTCCAGTTACAACGCAGGGATCACAACAAACGCAGCCACCACAGAGGCACTATGGCATTACCT
CTCCTATCAGCTTAGCGGCCCCCAAGGAGACTGACTGCCTACTCACACAGAAGCTCATCGAGACGCTGAA
GCCCTTTGGGGTTTTTGAAGAAGAAGAGGAACTGCAGCGCAGGATTTTAATTTTGGGAAAATTAAATAAC
CTGGTGAAAGAATGGATTCGAGAAATCAGTGAAAGCAAGAATCTCCCACAATCTGTAATTGAAAATGTTG
GAGGGAAGATTTTTACATTTGGATCTTACAGACTAGGAGTCCACACGAAAGGTGCTGATATTGATGCGTT
GTGTGTTGCACCAAGACATGTTGATCGAAGTGACTTTTTCACCTCATTCTATGATAAATTGAAATTACAA
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TTACATCTAGTACCAAACATTGACAACTTCAGGTTAACTCTGAGAGCCATCAAACTGTGGGCCAAACGGC
ACAACATCTATTCCAATATATTAGGTTTCCTCGGTGGTGTTTCCTGGGCTATGCTAGTAGCAAGAACTTG
CCAGCTTTATCCAAATGCAATAGCATCAACTCTTGTACATAAATTTTTCTTGGTATTTTCTAAATGGGAA
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CAATGTGTCCGTTTCAACACGGATGGTCATGGTTGAGGAGTTTAAACAAGGTCTTGCTATCACAGATGAA
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ATATTGTACTTCTAGCAAGTGCGCCCACGGAAAAGCAGCGTCTGGAATGGGTGGGCTTGGTGGAATCAAA
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GTCCTAAGAAAACCAAAACAGAAGAGGATGAAACAAGTGAAGATGCTAACTGTCTTGCTTTGAGTGGACA
TGATAAAACAGAGACAAAGGAACAAGTTGATCTGGAGACAAGTGCGGTTCAATCAGAAACTGTTCCGGCA
TCGGCTTCTCTGTTGGCCTCTCAGAAAACATCCAGTACAGACCTTTCTGATATCCCTGCTCTCCCTGCAA
ATCCTATTCCTGTTATCAAGAATTCAATAAAACTGAGACTGAATCGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

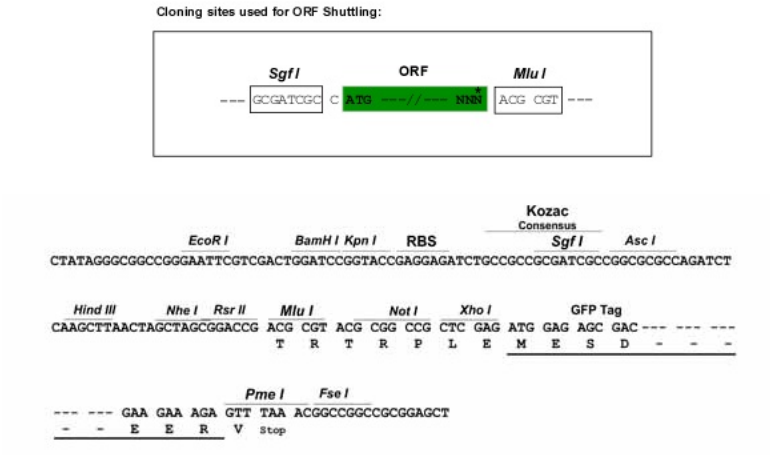
>MG224835 representing NM_011112
Red=Cloning site Green=Tags(s)

MPFPVTTQGSQQTQPPQRHYGITSPISLAAPKETDCLLTQKLIETLKPFGVFEEEEELQRRILILGKLNN
LVKEWIREISESKNLPQSVIENVGGKIFTFGSYRLGVHTKGADIDALCVAPRHVDRSDFFTSFYDKLKLQ
EEVKDLRAVEEAFVPVIKLCFDGIEIDILFARLALQTIPEDLDLRDDSLLKNLDIRCIRSLNGCRVTDEI
LHLVPNIDNFRLTLRAIKLWAKRHNIYSNILGFLGGVSWAMLVARTCQLYPNAIASTLVHKFFLVFSKWE
WPNPVLLKQPEECNLNLPVWDPRVNPSDRYHLMPIITPAYPQQNSTYNVSVSTRMVMVEEFKQGLAITDE
ILLSKAEWSKLFEAPNFFQKYKHYIVLLASAPTEKQRLEWVGLVESKIRILVGSLEKNEFITLAHVNPQS
FPAPKESPDREEFRTMWVIGLVFKKTENSENLSVDLTYDIQSFTDTVYRQAINSKMFELDMKIAAMHVKR
KQLHQLLPSHVLQKRKKHSTEGVKLTALNDSSLDLSMDSDNSMSVPSPTSAMKTSPLNSSGSSQGRNSPA
PAVTAASVTSIQASEVSVPQANSSESPGGPSSESIPQTATQPAISPPPKPTVSRVVSSTRLVNPSPRPSG
NTATKVPNPIVGVKRTSSPNKEESPKKTKTEEDETSEDANCLALSGHDKTETKEQVDLETSAVQSETVPA
SASLLASQKTSSTDLSDIPALPANPIPVIKNSIKLRLNR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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

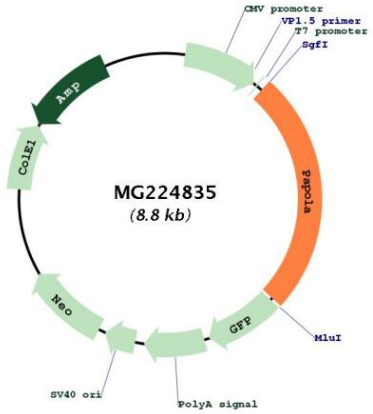
Locus ID: 18789

UniProt ID: Q61183

Cytogenetics: 12 E

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 MG224835