

Product datasheet for **MG215877**

Papolb (NM_019943) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Papolb (NM_019943) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Papolb
Synonyms:	PAP; Paplob; Papola-ps; Papt; Plap-ps; Tpap
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG215877 representing NM_019943
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGCCATTTGCGGTGACCACCAAGGAGCACAAACCGGCTCCCGCCCCGAAGCAGTTCGGCATAT
 CGTCCCCCATCAGCCTGGCCGCCCCCAAGGACACAGACCAGCAACTCACCCAGAAGCTGATCGAGACCCT
 CCAGCCCTTCGGGGTGTGTTGAAGAGGAAGAGAACTGCAGCGCAGGATTTAATTTTGCAGAAATTAAT
 AATCTGGTGAAGGAATGGATCCGAGAAATCAGTAAAAGCAGGAATCTCCACAAGCTGTAATTGAGAATG
 TTGGGGGGAAAAATTTTACGTTCCGGCTCTTACCGATTAGGAGTACACACGAAAGGTGCAGATATCGATGC
 TTTGTGCGTTGCACCAAGACACGTGGATCGAAATGACTTTTTTACCTCCTTCTATGACAAATTGAAACTA
 CAAGAGGAAGTAAAAGATTTAAGAGCTGTTGAGGAGGCCCTTTGTGCCGTTATCAAAGTGTGTTTGTGATG
 GAATAGAGATTGATATTTGTTTGAAGATTAGCATTGCAGACTATTCCAGAAGATTTGGACCTACGAGA
 TGATAGTCTGCTTAAAAATTTAGATATTAGGTGCATAAGAAGCCTTAACGTTGCCGGTAACTGATGAG
 ATTTTACATCTAGTACCAAACATTGACAGCTTCAGGTTAACACTGAGAGCCATCAAATATGGGCCAAAT
 GCCACAACATCTATTCCAATATATTGGGTTTCTTGGAGGTGTTTCTGGGCTATGCTAGTAGCAAGAAC
 TTGCCAGCTTTACCCAAATGCAATAGCATCCACTCTTGTGCGAAAATTTTCTTGGTGTGTTTCTGAGTGG
 GAATGGCCAAATCCAGTGTGTTAAAAGAACCAGAAGAACGAAATCTTAACTTGCCTGTATGGGACCCAA
 GAGTGAATCCTAGTGACAGGTACCATCTTATGCCTATAATTACACCAGCATACCCACAGCAGAATCCAC
 GTACAAATGTGTCTGTTTCGACCAGGATGGTCATGATTGAGGAGTTTAAACAAGGACTTGCATCACACAT
 GAAATTTGCTGAATAAGGCAGAATGGTCCAACTTTTTGAAGCTCCAAGCTTTTTTCAAAAATACAAGC
 ATATATTTGACTTCTGGCAAGTGCGCCAACAGAGAAACAACATTTAGAGTGGGTGGGCTTGGTGGAAATC
 AAAGATCCGAATCCTGGTTGGGAGCCTGGAAAAGAATGAGTTCATTACTCTGGCTCATGTGAATCCTCAG
 TCGTTTCCAGCACAAAAGAACTGCTGACAAGGAAGAATTTCTGACTATGTGGGTGATCGGGTGTAGTGT
 TGAAGAAGCCAGAAAATCTGAAATTCAGTATTGATCTCACCTATGATATTCAGTCTTTCACAGATAC
 AGTGTACAGACAAGCAATAAATAGTAAGATGTTTGAGATGGATATGAAGATTGCTGCAATGCATCTAAGA
 AGGAAGGAACTTCATCAGCTACTTCCAAATCATGTTCTTCAGAAAAGGAAACCCATTTAACAGAAAGTG
 TAAGGCTGACAGCTGTGACTGACAGCAGCCTTCTCTTGTCTATAGACAGTAAAACAGCATGACTGCTCC
 TTCACCTACTGGCACTATGAAGACAGGTCCACTGACTGAAAACCCCTCAGGGCAGAAACAGTCTGCTCTG
 GCTGTTATGGCAGCATCTGTGACCAACATACAGTTTCTGATGTTTCTTGCAGCATGTGAATCCCATAG
 AAAGCTCAGGAATTCAGCTGAGTAAAAGCATCCCTCAGATTCCTCACAACCTACCATTTACCACCACC
 TAAGCCTACAATGACCAGAGTGGTTTCTTCGACACATCTGGTAAACCATCCATCTAGACCTTCAGGAAAT
 ACAGCAACGAACATACCAATCCTATACTAGGAGTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG215877 representing NM_019943
 Red=Cloning site Green=Tags(s)

MMPFVAVTTQGAQQPAPAPKQFGISSLAPKDTDREL TQKLIETLQPFVFEVEEELQRRILILQKLN
 NLVKEWIREISESRNLPQAVIENVGKIFTFGSYRLGVHTKGADIDALCVAPRHVDRNDFFTSFYDKLKL
 QEEVKDLRAVEEAFVPVIKLCFDGIEIDILFARLALQTIPELDLDRDSSLKLNLDIRCIIRSLNRCRVTE
 ILHLVPNIDSFRLTLRAIKLWAKCHNIYSNIFLGGVSWAMLVARTCQLYPNAIASTLVRKFFLVFSEW
 EWPNPVLLKEPEERNLNPVWDPVNPVSDRYHLMPIITPAYPQQNSTYNVSVSTRMVMIEEFKQGLAITH
 EILLNKAEWSKLFAPSFQKYKHYIVLLASAPTEKQHLWVGLVESKIRILVGSLEKNEFITLAHNPQ
 SFPAPKETADKEEFRTMWVIGLVKKPENSEILSIDLYDIQSFTDTVYRQAINSKMFEMDKIAAMHLR
 RKELHQLLPNHVLQKKETHLTVSRLTAVTDSSLLLSIDSENSMTAPSPTGTMKTGPLTGNPQGRNSPAL
 AVMAASVTNIQFPDVSLLQHVNPVIESSGIALSESIPQIPSQPTISPPPKPTMTRVVSSTHLVNHPSRPSGN
 TATNIPNPILGV

TRTRPLE - GFP Tag - V

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:	<ol style="list-style-type: none">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_019943.2 , NP_064327.1
RefSeq Size:	2337 bp
RefSeq ORF:	1929 bp
Locus ID:	56522
UniProt ID:	Q9WVP6
Cytogenetics:	5 G2