

## Product datasheet for **MC221255**

### **Papolg (NM\_172555) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Papolg (NM_172555) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Papolg
Synonyms:	9630006B20Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221255 representing NM\_172555  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAAGAGATGTCTGCAAACTATGCTGGACAGCCAGCGTCAACAGAAGCATTATGGAATTACCTCTC  
 CAATTAGTTTGGCATGTCTAAAGAAATTGATCATATTTATACACAGAAGTTAATTGATGCCATGAAGCC  
 ATTTGGAGTATTTGAAGATGAGGAAGAATTGAACCACAGGCTGGTTGTTCTTGGTAAATTGAACAATTTA  
 GTAAAAGAATGGATTTCTGACATCAGTGAAGTAAAGATCTCCACCTTCTGTTGTGGCTACTGTTGGTG  
 GTAAAATTTTACATTTGGATCTTACAGGCTTGGAGTACACACAAAGGAGCTGATATTGATGCACTTTG  
 TGTGCCCCAAGACATGTAGAGAGATCAGATTTTTTTCAGTCTTTTTTGAAAAATTGAAACATCAAGAT  
 GGCATTAGAACTTAAGAGCTGTAGAAGATGCTTTTGTACCTGTATAAAATTTGAATTTGATGGTATTG  
 AAATTGATCTAGTCTTTGCAAGACTGGCAATACAAACCATATCAGATAATTTAGACCTAAGAGATGACTC  
 TCGCCTGAGAAGCCTTGATATACGGTGCATTAGAAGTTTAAATGGATGTAGAGTTACTGATGAAATTTTG  
 CACTTAGTGCCAAATAAAGAACTTTTAGACTCACCTAAGAGCAGTCAAATTATGGGCAAGCGCCGGTG  
 GTATTTATTCCAATATGCTGGGATTCCTTGGTGGTGTCTCCTGGGCAATGCTAGTTGCCAGAACTTGCCA  
 ACTGTACCCAAATGCAGCAGCTTCAACTTTAGTTCACAAGTTTTTTTTTAGTTTTTTTCCAATGGGAATGG  
 CCAATCTGTGCTGTTGAAGCAACCAGAAAGCAACTTGAACCTGCCTGTCTGGGATCCTCGGGTAA  
 ATCCGTGACAGAGGTATCATCTTATGCCAATAATTACCCTGCCTACCCACAACAGAATTTACATATAA  
 TGTGTCTACATCAACTCGAACAGTAATGGTAGAAGAATTTAAACAAGGCTTGCAGTTACAGATGAAATT  
 CTTCAAGGAAATCAGATTGGTCCAACCTATTAGAGCCACCAATTTCTTTCAAAAATACAGACATTATA  
 TAGTACTGACTGCCAGTGCATCAACAGAAAGAGAACCATCTAGAATGGGTTGGATTAGTAGAATCTAAAAT  
 CCGTGTACTTGTGGAACTTGGAACGGAATGAATTTATTACTCTTGCCCATGTGAATCCCCAGTCATTC  
 CCAGGAAATAAAGAACATCATAAAGCCAACAATTACGTATCAATGTGGTTCCTTGGGATAATTTTTCGGA  
 GAGTAGAAAATGCAGAAAGTGTAAACATAGACTTGACATATGATATCCAGTCATTTACTGATACAGTGTA  
 CAGGCAGGCAACAATATAAATATGCTGAAGGATGGGATGAAAATTGAAGCAACTCATGTAAGAAAAAG  
 CAGCTTCATCATTACCTACCAGCAGAGATTCTTCAAAAAGAAAAAGAGTCTTTCTGATGTAAGTCGGA  
 GTTCAGGGGGCCTTCAGTCCAAAAGATCATCTCTGGATAGCACTTGTCTGGATAGCTCCAGAGACTGA  
 CAGTGGAAACCTTTTAACTCTCCGGTGTCTGCAATAAGCCTTCCAACCCAGACAGCCCCACAGGAGAA  
 ATAGAAAAGGAGTAGTGCTGAGCCTGTGGCTGTGGTGTGGAGAAGCTGCCAAGTGTCCCCCAGCTCAGG  
 GGCTGTCCATTCCAGTCATTGGTGCAAAGTTGACCCTACAGCAAAGCTGTATCCTCCCGAGCTGTGTG  
 CACCATTCTACTGTAGTAGGACGGAATGTTATTCCTAGAATCACAACACCCACAAACCTGTCCAGGGA  
 CAACCACATCTAAATGGGATATCAAATATTACTAAGAATGTTACACCCAAAAGATCCCATTCGCCACCTA  
 CAGATGGGACTTCTAAGAGGCTGAAAGACATAGAAAAGTTCATTGCACTTGAGTCAGCATTTAAGGAGTC  
 CCGGGCTGCCGAGGATCGGAAAAGAAAACCAATGGATTGATTGGTGGAGAATCTATGCCTATTCCTCAACT  
 ATTGATACGGCACGAAAAAGAGACTACCCAGTAAAGAACTCCAGATTTCATCATCTCCAGTTCAGCAA  
 ACAACATCCGTGCATCAAAAACCTCGATCCGCCGACCCTAATCGG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_172555  
**Insert Size:** 2220 bp  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

<b>Components:</b>	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>	<u><a href="#">NM_172555.2</a></u> , <u><a href="#">NP_766143.2</a></u>
<b>RefSeq Size:</b>	3776 bp
<b>RefSeq ORF:</b>	2220 bp
<b>Locus ID:</b>	216578
<b>UniProt ID:</b>	<u><a href="#">Q6PCL9</a></u>
<b>Cytogenetics:</b>	11 A3.2
<b>Gene Summary:</b>	Responsible for the post-transcriptional adenylation of the 3'-terminal of mRNA precursors and several small RNAs including signal recognition particle (SRP) RNA, nuclear 7SK RNA, U2 small nuclear RNA, and ribosomal 5S RNA.[UniProtKB/Swiss-Prot Function]