

## Product datasheet for **MC220032**

### Papd5 (NM\_001164499) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Papd5 (NM_001164499) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Papd5
Synonyms:	5730445M16Rik; 5830428A09
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC220032 representing NM\_001164499  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAGATCTGGGAGACGACCCAGGGGCTGAGGAACCTCTACTTCAACCACCCTGTACAGCAGCGGGC  
 CGAGCAGCGCAGCGGGAGCGGCAGCGGCCCGCGCAGCCCGCGGGACGGCCCGGCCCGGCCG  
 CATGTTCCGCTCGGGGAGCGCCACTGGCGGCCCTCGCCGTGCCCGCGGAGCAGCGGGACTTCTGCC  
 CTGGAGACGACCAACAACAACAATCACCACCAGCGCGGCCCTGGGCACGGCGGGCATCGGCGGGC  
 CCTCGGCGTCCCGGTCCCATCGGCTCCCTCGTCCCCGCGACCGCGGCCCACTCCCCGCTCCGAGTC  
 TACCGACCCGGCCTCGGGCAGCAGCAACAAGAGAAACGTGACAACAAGGCCAGCACCTACGGACTCAAC  
 TACAGCCTGCTGCAGCCAGCGGAGGGCGCGGGCCGAGGCGGACGGCGGGCGGGGGCGTGT  
 ACAGCGGGACCCCGTGAAGCGACGGAACAACAGGGAGTCTGGGTCTGCATGAAGAAATCAGTGA  
 TTTTATGAGTACATGTCTCCAGACCCGAGGAAGAGAAGATGCCGATGGAGGTAGTGAGCAGGATCGAG  
 AGTGTGATTAAAGAGCTCTGGCCAGTGTGATGTCCAGATATTTGGAAGTTTTAAACTGGCCTGTATT  
 TACCTACCAGTGACATCGATCTTGTGGTGTGGGAAGTGGGAGAACCTGCCTCTCTGGACCTGGAAGA  
 AGCCCTTCGAAACACAAAGTCGCTGACGAGGATCCGTGAAAGTTCTAGACAAAGCAACGGTTCCTATT  
 ATTAATAACAGATTCTTTACTGAAGTAAAGTTGATATCAGCTTTAATGTCCAGAATGGCGTGAGAG  
 CAGCAGACCTCATTAAAGATTTTACTAAGTTACATCCAGGGAAGATGCTTGATCCCCAATACAACTA  
 TGGTGTCTCTTAATAGAGTTTTTGAATTATATGGACGGCACTCAATTAAGACTGGCATCCGG  
 ATAAAGGATGGTGGTCCATGTGGCCAAAGATGAAGTACAGAAAAATATGCTTGATGGTACCGGCCGT  
 CAATGCTTATATCGAAGATCCTTACAACAGGTAATGATGTTGGAAGGAGTTCCTATGGGGCCATGCA  
 GGTGAAACAGGCCTTTGATTATGCCTATGTGGTATTGAGTCATGCAGTGCACCGATTGCAAAGTACTAT  
 CCCAACAATGAAACAGAGAGCATATTAGGTAGAATAATTAGAGTGACGGATGAAGTTGCCACGTATAGAG  
 ATTGGATATCAAAACAGTGGGGCTTGCAGAATAGGCCCGAGCCATCATGCAACGGAATGGTGTACCTT  
 GATAGTAGATACTCAGCAGTTAGATAAGTGAATAATAATCTGTCTGAAGAAAAGGAAGCCCTTGGAAAA  
 TGTAGAAGTAACGCCTCGGAACCTTGTAAACTCTTCAAACCTTTCATCAGGTCCAGTGTCTCTCT  
 CCTCTGCCACGCAGTCCAGCTCTAGTGACGTGATTCTGATGCAACGCCATGCAAAACCCCAACAGCT  
 GCTCTGCCGTCCACCCACTGTACCCGGTAGGCTCACAGGATGTCTCCTTGGAGGTCTCTCAGGCAGTT  
 GGGAAAAATGCAGAGCACTCAAACCACTAACACACCCAACAACGCCAACAATCACAGCATGGATCAGCAA  
 GGCTCTCCGTTCTCCAGCAAAGGCTTCAAGGTACAGCTCAAACAGCCATGGGGCCTTGATGACAAG  
 CAAACAGCATCAAGGCAAATCCAATACTCAGTATTACCATGGCAAAAAGAGGAGACACAAGAGGGACGCG  
 CCCCTCTCAGAGCTTTGTAGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001164499
- Insert Size:** 1914 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).
- 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).

<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_001164499.1</a></u> , <u><a href="#">NP_001157971.1</a></u>
<b>RefSeq Size:</b>	4513 bp
<b>RefSeq ORF:</b>	1914 bp
<b>Locus ID:</b>	214627
<b>UniProt ID:</b>	<u><a href="#">Q68ED3</a></u>
<b>Cytogenetics:</b>	8 C3
<b>Gene Summary:</b>	<p>Terminal nucleotidyltransferase that catalyzes preferentially the transfert of ATP and GTP on RNA 3' poly(A) tail creating a heterogeneous 3' poly(A) tail leading to mRNAs stabilization by protecting mRNAs from active deadenylation (By similarity). Also functions as a catalytic subunit of a TRAMP-like complex which has a poly(A) RNA polymerase activity and is involved in a post-transcriptional quality control mechanism. Polyadenylation with short oligo(A) tails is required for the degradative activity of the exosome on several of its nuclear RNA substrates. Doesn't need a cofactor for polyadenylation activity (in vitro). Plays a role in replication-dependent histone mRNA degradation, probably through terminal uridylation of mature histone mRNAs. May play a role in sister chromatid cohesion (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame exon in the central coding region, compared to variant 1. The resulting isoform (b) lacks an internal segment, compared to isoform a.</p>