

Product datasheet for **RN206479**

Papd4 (NM_001008372) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Papd4 (NM_001008372) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Papd4
Synonyms:	MGC93684
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN206479 representing NM_001008372
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTTCCCAAACCAATTTGGGTCGTCCACCCTTCACTCCAACCCACCAACAGCATAACAACCTTCTTTG
 CTCTCTACCAACTCTTTATTCACACCAGCAACTTATAGATGCACAATCAACTTTCAAATGTAGACTT
 GTCTAGAGCTGTGTCTTACAGCCCTGACATACGGAAGTGTAGTCCAATACAGACCTCAACATCCCCA
 TTATTTGAGGAAGGAAGAGAATAAGCGATGAAAAAGCCTTTCGTCCTTGATGGTAAACGGCAGCGTTTC
 ATTCACCCACCAAGAGCCAATAATCAACCAGCTAGTGCCTTTGTCAGGTGACCGAAGATACTCCAT
 GCCACCGTTGTTTCATACACTATGTACCAGAGATAGTCAGATGTGTTCCACCTCTTCGAGAAATCCA
 CTGTTAGAACCTAGAGAAATCACACTGCCTGAGGCCAAAGATAAGCTGAGTCAGCAGATACTAGAGTTGT
 TTGAAACTTGCAACAGCAAGCAAGTACTTGAAGAAGAAAGAACTCTGTAGAGCACAGCTGCAGAGAGA
 GATCCAGCTGCTCTCCACAAAGCAGACTCTTTTGGTTGGATCGTCTTTAAATGGATTTGGTGCCCGA
 AGCAGCGATGGCGATTTATGCTTAGTTGTTAAAGAAGAACCATGTTTTTCCAGGTAAATCAGAAGACTG
 AAGCACGACATATCCTCACCTTAGTCCATAAGCACTTCTGTACTAGACTTCTGGCTATATTGAGAGACC
 TCAGCTGATTCGTGCAAAAGTGCCAATTGTGAAGTTCAGGGATAAAGTCAGTTGTGTGGAATTCGACTTA
 AATGTAACAATACCGTTGGAATTAGAAACACATTCCTTCTCAGAACTTATGCATACCTTGAAAATCGAG
 TTCGTCATTAGTCTGGTGATTAAGAAGTGGGCAAGTCATCACGAGATAAATGATGCCAGTCGAGGCAC
 TTTAAGCAGCTATAGTCTGTATTGATGGTTTTGCACTATTTACAAACCTACCTGAACCCATCCTTCCA
 TCCCTCCAAAAATTTACCCAGAATCTTTAGTACTTCTGTACAGCTGCACCTTGTTCATCATGCCCCAT
 GTAATGTTCTCTTACCTCTCAAAGAATGAATCCAGTCTTGGGACCTTACTGGGCTTCTTAAATA
 CTATGCTACAGAATTTGACTGGAATACTCAGATGATTTTCAGTCCGTGAGGCCAAAGCCATCCCAAGGCCA
 GATGATATGGAATGGAGAAATAATACATCTGTGTTGAAGAACCCTTTGATGGAATAATACCGCCAGAG
 CTGTGCATGAGAAGCAGAAGTTTGATATGATCAAGGATCAATTTCTAAAGTCATGGCAGAGATTGAAAA
 CAAGAGAGATCTGAACAGTGTCTACCTTTGAGAGCTGTACCCTGAAAAGATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001008372
- Insert Size:** 1455 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).
- 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_001008372.1](#), [NP_001008373.1](#)

RefSeq Size: 1871 bp

RefSeq ORF: 1455 bp

Locus ID: 361878

UniProt ID: [Q5U315](#)

Cytogenetics: 2q12

Gene Summary: Cytoplasmic poly(A) RNA polymerase that adds successive AMP monomers to the 3'-end of specific RNAs, forming a poly(A) tail. In contrast to the canonical nuclear poly(A) RNA polymerase, it only adds poly(A) to selected cytoplasmic mRNAs. Does not play a role in replication-dependent histone mRNA degradation. Adds a single nucleotide to the 3' end of specific miRNAs, monoadenylation stabilizes and prolongs the activity of some but not all miRNAs.[UniProtKB/Swiss-Prot Function]