

Product datasheet for **MC218555**

Papd7 (NM_198600) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Papd7 (NM_198600) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Papd7
Synonyms:	LAK-1; POLK; Pols; TRF4; TRF4-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218555 representing NM_198600
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTTGTCTGAAGAAGCAGCCATGAGAAGGGAGGTGGTAAACGGATCGAAACTGTGGTAAAAG
 ACCTCTGGCCACAGCTGATGTGCAGATATTTGGCAGCTTTAGTACAGGCCTCTATCTTCCAACAAGTGA
 CATAGACCTGGTTGTCTTTGAAAAGTGGGAACGCCCTCCATTACAGTTGTTGGAACAAGCCCTCCGGAAG
 CACAACGTGGCTGAGCCGTGCTCCATCAAAGTTCTTGACAAAGCTACAGTGCCCATATAAAGCTCACAG
 ATCAGGAGACTGAAGTTAAAGTCGACATCAGCTTAAACATGGAGACTGGCGTGCGGGCGGCAGAGTTCAT
 CAAGAATTACATGAAGAAGTACTCGCTACTGCCATACTTGATTTTAGTGTGAAACAGTTCCTGCTGCAG
 AGGGACCTGAATGAGGTCTTACAGGGCGGATCAGCTCCTACAGCCTCATCCTAATGGCCATCAGCTTTC
 TGCAGTTACATCCAAGAATCGATGCCCGGAGAGCTGATGAAAACCTGGGAATGCTTCTTGTAGAATTTT
 TGAACCTTATGGAAGAAATTTTAATTACTTAAAACTGGTATTAGAATAAAAAGAAGGAGGTGCCATATC
 GCCAAAGAAGAGATCATGAAAGCCATGACCAGTGGGTACCGACCATCGATGCTGTGCATTGAGGACCCCT
 TACTGCCTGGAATGATGTTGGACGGAGTTCCTATGGGGCCATGCAGGTGAAGCAGGTGTTTGACTACGC
 TTACATTTGTGCTCAGCCACGCTGTGTACCCGCTCGCCAGGTCTTACCCCAACAGGGATTCTGAAAGTACT
 TTAGGAAGAATCATCAAAGTCACCCAGGAAGTGATCGACTACCGGAGGTGGATCAAAGAAAAGTGGGGTA
 GCAGAATCCTCCCGTCTCCAGACCTTGACAACAGGATTAAGATAAAGGAGAGAATTACCACGTGCAATGG
 GGAGCAGATGCAGAGCCGGGAGCCAGCTCCCTTACACCCAGCGCTGACTCTGTCCCTGTCCAGTCCC
 CAGCTGCTGTCTTCAAGCTCTTCTGCTTCTGTGTCTCACTTCTTGGAAAGTGACATTGACTCCGACA
 CACCCGCTGCACCACCCAGTGTTCATCAGTTCAGCCTGCAAGCACCCACTACCCTGATGGCCACCCCT
 GCCCACAGCCTTGCCAATGCCAGCAGCAAAACCCAGCCTGCTGCTTCCAGAACGTTGATCATGACAACA
 AACACCAGACCAGGTTACTATCCCTCCACCAACCCTCGGAGTCGCCCTGTTCTTGCAGACAGGCTG
 GTGTGCAGCGAACACATCTTTGAAGGCTGTTACAGTGTAACTTCCCCAGCCATTCCCTCGGCATCCCC
 CAACCCACTGTCTAGTCTCATCTGTATCACAAGCAGCACAATGGCATGAAACTGTCCATGAAAGGCTCC
 CACAACCACACTCAGGGTGGCGGTACAGCTCTGTGGCAGTGGAGCTGTGAGGCCTCCTGTAGGCAACC
 GAGGACATCATCAGTACAACCGCACCGGCTGGAGGAGAAAAAAGCACGCACACAAGGGACAGCCTGCC
 CGTGAGTCTCAGCAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_198600

Insert Size: 1629 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_198600.2](#), [NP_941002.2](#)

RefSeq Size: 4017 bp

RefSeq ORF: 1629 bp

Locus ID: 210106

UniProt ID: [Q6PB75](#)

Cytogenetics: 13 35.55 cM

Gene Summary: Terminal nucleotidyltransferase that catalyzes preferentially the transfer 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. Has no terminal uridylyltransferase activity, and does not play a role in replication-dependent histone mRNA degradation via uridylation (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longer isoform (1).