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Product datasheet for MC218554

Papd7 (NM_001169131) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Papd7 (NM_001169131) 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:

>MC218554 representing NM_001169131
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCCCCTTGTCCTGAAGAAGCAGCCATGAGAAGGGAGGTGGTGAAACGGATCGAAACTGTGGTGAAAG
ACCTCTGGCCCACAGCTGATGTGCAGATATTTGGCAGCTTTAGTACAGGCCTCTATCTTCCAACAAGTGA
CATAGACCTGGTTGTCTTTGGAAAGTGGGAACGCCCTCCATTACAGTTGTTGGAACAAGCCCTCCGGAAG
CACAACGTGGCTGAGCCGTGCTCCATCAAAGTTCTTGACAAAGCTACAGTGCCCATCATAAAGCTCACAG
ATCAGGAGACTGAAGTTAAAGTCGACATCAGCTTTAACATGGAGACTGGCGTGCGGGCGGCAGAGTTCAT
CAAGAATTACATGAAGAAGTACTCGCTACTGCCATACTTGATTTTAGTGCTGAAACAGTTCCTGCTGCAG
AGGGACCTGAATGAGGTCTTCACAGGCGGGATCAGCTCCTACAGCCTCATCCTAATGGCCATCAGCTTTC
TGCAGTTACATCCAAGAATCGATGCCCGGAGAGCTGATGAAAACCTGGGAATGCTTCTTGTAGAATTTTT
TGAACTTTATGGAAGAAATTTTAATTACTTAAAAACTGGTATTAGAATAAAAGAAGGAGGTGCCTATATC
GCCAAAGAAGAGATCATGAAAGCCATGACCAGTGGGTACCGACCATCGATGCTGTGCATTGAGGACCCCT
TACTGCCTGGAAATGATGTTGGACGGAGTTCCTATGGGGCCATGCAGGTGAAGCAGGTGTTTGACTACGC
TTACATTGTGCTCAGCCACGCTGTGTCACCGCTCGCCAGGTCTTACCCCAACAGGGATTCTGAAAGTACT
TTAGGAAGAATCATCAAAGTCACCCAGGAAGTGATCGACTACCGGAGGTGGATCAAAGAAAAGTGGGGTA
GCAGAATCCTCCCGTCTCCAGACCTTGACAACAGGATTAAGATAAAGGAGAGAATTACCACGTGCAATGG
GGAGCAGATGCAGAGCCGGGAGCCCAGCTCCCCTTACACCCAGCGCCTGACTCTGTCCCTGTCCAGTCCC
CAGCTGCTGTCTTCAGGCTCTTCTGCTTCTTCTGTGTCCTCACTTTCTGGAAGTGACATTGACTCCGACA
CACCGCCCTGCACCACACCCAGTGTTTATCAGTTCAGCCTGCAAGCACCCACTACCCTGATGGCCAGCCT
GCCCACAGCCTTGCCAATGCCCAGCAGCAAACCCCAGCCTGCTGCTTCCAGAACGTTGATCATGACAACA
AACAACCAGACCAGGGTTACTATCCCTCCACCAACCCTCGGAGTCGCCCCTGTTCCTTGCAGACAGGCTG
GTGTCGACGGAACCACATCTTTGAAGGCTGTTCACAGTGTAACTTCCCCAGCCATTCCCTCGGCATCCCC
CAACCCACTGTCTAGTCCTCATCTGTATCACAAGCACAATGGCATGAAACTGTCCATGAAAGGCTCCCAC
AACCACACTCAGGGTGGCGGCTACAGCTCTGTGGGCAGTGGAGCTGTGAGGCCTCCTGTAGGCAACCGAG
GACATCATCAGTACAACCGCACCGGCTGGAGGAGAAAAAAGCACGCACACACAAGGGACAGCCTGCCCGT
GAGTCTCAGCAGATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001169131

Insert Size: 1626 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_001169131.1, NP_001162602.1
RefSeq Size:	3994 bp
RefSeq ORF:	1626 bp
Locus ID:	210106
Cytogenetics:	13 35.55 cM
Gene Summary:	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. 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 (2) uses an alternate in-frame splice site in the 3' coding region, compared to variant 1. This results in a shorter protein (isoform 2), compared to isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.