

Product datasheet for **RR211221**

Papd7 (NM_001107333) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Papd7 (NM_001107333) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Papd7
Synonyms:	Pols
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR211221 representing NM_001107333
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTTGTCTGAAGAAGCAGCCATGAGAAGGGAGGTGGTGAAGCGCATCGAACTGTGGTAAAAG
 ACCTCTGGCCCTCGGCTGACGTGCAGATATTTGGCAGCTTAGCACAGGCCTCTATCTTCCAACAAGTGA
 CATAGACCTAGTGGTCTTTGAAAAGTGGGAGCGACCTCCATTACAGCTGCTGGAACAAGCCCTGCGGAAG
 CACAACGTGGCTGAACCATGCTCCATCAAAGTCTTGACAAAGCTACAGTGCCCATATAAAGCTCACAG
 ATCAGGAGACTGAAGTTAAAGTCGACATCAGCTTAAACATGGAGACTGGTGTACGGGCGGCAGAGTTCAT
 CAAGAATTACATGAAGAAGTACTCGCTACTGCCATACTTGATTTTAGTGTGAAACAGTTCCTCTGCAG
 AGGGACCTGAATGAAGTCTTACAGGCGGGATCAGCTCTACAGCCTCATCTTAATGGCCATCAGCTTTC
 TGCAGTTACATCCAAGAATTGATGCCCGGAGAGCTGATGAAAACCTGGGAATGCTTCTGTAGAATTTT
 TGAACCTTATGGAAGGAATTTAATTACTTGAAAACCTGGTATTAGAATAAAAAGAAGGAGGTGCCTATATC
 GCCAAGGAAGAGATTATGAAAGCCATGACCAGTGGGTACCGACCGTCGATGCTGTGCATTGAGGACCC
 TACTGCCTGGAACGATGTTGGGCGGAGTTCCTATGGGGCCATGCAGGTGAAGCAGGTGTTTGACTATGC
 GTACATTTGCTCAGCCATGCCGTGTCACCGCTCGCCAGGTCTTACCCCAACAGGGATTCTGAAAGTACT
 TTAGGAAGAATAATCAAAGTCACCCAGGAAGTGATCGACTACCGGAGGTGGATCAAAGAAAAATGGGGTA
 GCAGAATCGTCCCGTCTCCAGACCTAGACAACAGGATTAAGATAAAGGAGAGAGTACCACGTGCAATGG
 GGAGCAGATGCAGAGCCGGGAGCCAGCTCCCTTACAGCCAGCGCTGACTCTGTCCCTGTCCAGCCCC
 CAGCTGCTGTCTCAGGCTCCTCTGCTTCTGTGTCTCGCTTCTGGAAGTGACATTGATTCAGACA
 CACCACCTGCACCACGCCAGTGTTCAGTTCAGCCTGCAAGCACCCACCCTGATGGCCGGCCT
 GCCACAGCCTTGCCAGTGCCAGCAGCAAGCCAGCCAGCTGCTTCCAGAACGTTGATCATGACAAACC
 AACAAATCAGACCAGAGTAACTATCCCTCCACCGACCCTCGGAGTTCGCCCTGTACCTGCAGACAGGCTG
 GTGTGCAGCGAACACATCTTTGAAGGCCGTTCAACGTAACCTCCCCAGCCATTCCCTCGGCATCCCC
 CAACCCACTGTCTAGTCTCATCTATCATAAGCACAATGGCATGAAACTGTCCATGAAAGTTCCAC
 AACCCACTCAGGGTGGTGGCTACAGCTCTGTGGCAGTGGAGCTGTGAGGCTCCTGTTGGTAACCGAG
 GACACCATCAGTACAACCGTACCGGCTGGAGGAGGAAAAAGCATGCACACACAAGGGACAGCCTGCCTGT
 GAGTCTCAGCAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR211221 representing NM_001107333
 Red=Cloning site Green=Tags(s)

MSPCPPEEAAMRREVVKRIETVVKDLWPSADVQIFGSFSTGLYLPTSDIDLVVFGKWERPPLQLLEQALRK
 HNVAEPCSIKVLDKATVPIIKLTDQETEVKVDISFNMETGVRAAEFIKNYMKYSLLPYLILVLKQFLLQ
 RDLNEVFTGGISSYSLILMAISFLQLHPRIDARRADENLGMILLVEFFELYGRNFNYLKTGIRIKEGGAYI
 AKEEIMKAMTSGYRPSMLCIEDPLLPNDVGRSSYGAMQVKQVFDYAYIVL SHAVSPLARSYPNRDSEST
 LGRIIKVTQEVIDYRRWIKEKWSRIVSPDLNRIKIKERVTTTCNGEQMSREPSSPYSQRLTLSSLSP
 QLLSSGSSASSVSSLSGSDIDSPTTPCTTPSVYQFSLQAPTTLMAGLPTALPVPSSKQPAAASRTLIMTT
 NNQTRVTIPPPTLGVAPVPCRQAGVDGTTSLKAVHNVTSIPAIPASPNPLSSPHLYHKHNGMKLSMKGSH
 NHTQGGYSSVSGAVRPPVGNRGHHQYNRTGWRRKKHAHTRDSLPLVLSLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001107333

ORF Size: 1623 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001107333.1](#), [NP_001100803.1](#)

RefSeq Size: 3819 bp

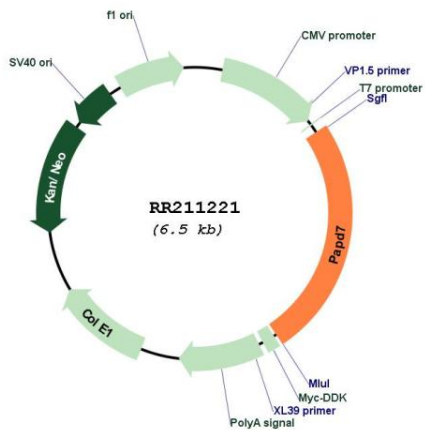
RefSeq ORF: 1626 bp

Locus ID: 306672

Cytogenetics: 1p11

MW: 59.8 kDa

Product images:



Circular map for RR211221