

Product datasheet for **RC229939**

TRF41 (PAPD7) (NM_001171806) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRF41 (PAPD7) (NM_001171806) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PAPD7
Synonyms:	LAK-1; LAK1; POLK; POLS; TRF4; TRF4-1; TRF41; TUTASE5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC229939 representing NM_001171806
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCTTGTCTGAAGAAGCAGCTATGAGAAGAGAGTGGTAAACGGATCGAACTGTGGTAAAG
 ACCTTTGGCCGACGGCTGATGTACAGATATTTGGCAGCTTTAGTACAGGCTTTATCTTCCAAGTACGCA
 CATAGACCTGGTGGTCTTCGGAATGGGAGCGTCTCTTTACAGCTGCTGGAGCAAGCCTCGCGAAG
 CACAACGTGGCTGAGCCGTGTTCCATCAAAGTCTTGACAAGGCTACGGTACCAATAATAAAGCTCACAG
 ATCAGGAGACTGAAGTAAAGTTGACATCAGCTTAAACATGGAGACGGCGTCCGGGACGGAGTTCAT
 CAAGAATTACATGAAGAAATATTCATTGCTGCCTACTTGATTTAGTATTGAAACAGTTCCTTCTGCAG
 AGGGACCTGAATGAAGTTTTACAGGTGGAATTAGCTCATACAGCCTAATTTTAAAGCCATTAGCTTTC
 TACAGTTGCATCCAAGAATTGATGCCCGGAGAGCTGATGAAAACCTTGAATGCTTCTTGAGAATTTT
 TGAAGTCTATGGGAGAAATTTAATTACTTGAAAACCGGTATTAGAATCAAAGAAGGAGGTGCCTATATC
 GCCAAAGAGGAGATCATGAAAGCCATGACCAGCGGTACAGACCGTCGATGCTGTGCATTGAGGACCC
 TGCTGCCAGGGAATGACGTTGGCCGGAGCTCCTATGGCGCCATGCAGGTGAAGCAGGTCTTCGATTATGC
 CTACATAGTGCTCAGCCATGCCGTGTCACCGCTGGCCAGGTCTATCCAACAGAGACGCCGAAAGTACT
 TTAGGAAGAATCATCAAAGTAACTCAGGAGGTGATTGACTACCGGAGGTGGATCAAAGAGAAGTGGGGCA
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 CAGCTCCTGTCTCAGGCTCCTCGGCCTCTTCTGTGCTTCACTTCTGGGAGTGACGTTGATTCAGACA
 CACCGCCCTGCACAACGCCAGTGTACCAGTTCAGTCTGCAAGCGCCAGCTCCTCTCATGGCCGACTT
 ACCCACCGCCTTGCCAATGCCAGTGGCAAACCTCAGCCACCACTTCCAGAACACTGATCATGACAAAC
 AACAAATCAGACCAGGTTTACTATACCTCCACCGACCCTAGGGGTTGCTCCTGTTCTTGCAGACAAGCTG
 GTGTAGAAGGAACTGCGTCTTTGAAAGCCGTCCACCACATGTCTTCCCGGCCATTCCCTCAGCGTCCCC
 CAACCCGCTCTCGAGCCCTCATCTGTATCATAAGCAGCACAACGGCATGAAACTGTCCATGAAGGCTCT
 CACGGCCACACCAAGGCGGGCTACAGCTCTGTGGGTAGCGGAGGTGTGCGGCCCTGTGGGCAACA
 GGGGACACCACAGTATAACCGCACCGGCTGGAGGAGGAAAAACACACACACACGGGACAGTCTGCC
 CGTGAGCCTCAGCAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC229939 representing NM_001171806
 Red=Cloning site Green=Tags(s)

MSPCPPEEAAMRREVVKRIETVVKDLWPTADVQIFGSFSTGLYLPTSDIDL VVFGKWERPPLQLLEQALRK
 HNVAEPCSIKVLDKATVPIIKLTDQETEVKVDISFNMETGVRAAEFIKKNYMKKYSLLPYLILVLKQFLLQ
 RDLNEVFTGGISSYSLILMAISFLQLHPRIDARRADENLGMLLVEFFELYGRNFNYLKTGIRIKEGGAYI
 AKEEIMKAMTSGYRPSMLCIEDPLLPNDVGRSSYGMQVQVFDYAYIVLSHAVSPARSYPNRDAEST
 LGRIIKVTQEVIDYRRWIKEKWSKAHPSGMDSRRIKIKERIAICNGEQTNREPESPYGQRLTLSSLSP
 QLLSSGSSASSVSSLSGSDVSDTTPCTTPSVYQFSLQAPAPLMAGLPTALPMPGKQPPTTSRSLIMTT
 NNQTRFTIPPPTLGVAPVPCRQAGVEGTASLKAVHHMSSPAIPASPNLSSPHLYHKQHNGMKLSMKGS
 HGHTQGGYSSVSGGVRPPVGNRGHHQYNRTGWRKKHHTHTRDSLPLVLSLR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

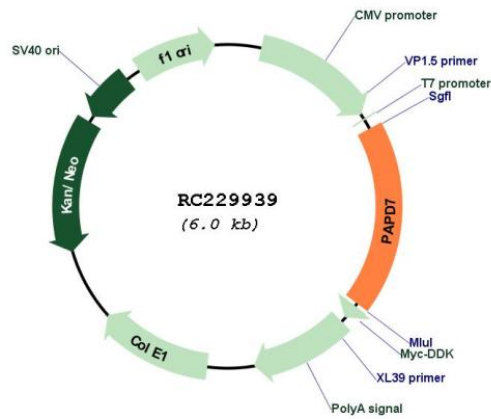
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001171806
ORF Size:	1629 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:	<ol style="list-style-type: none">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_001171806.1 , NP_001165277.1
RefSeq Size:	3473 bp
RefSeq ORF:	1089 bp
Locus ID:	11044
UniProt ID:	Q5XG87
Cytogenetics:	5p15.31
Protein Pathways:	RNA degradation
MW:	59.9 kDa
Gene Summary:	The protein encoded by this gene is a DNA polymerase that is likely involved in DNA repair. In addition, the encoded protein may be required for sister chromatid adhesion. Alternatively spliced transcript variants that encode different isoforms have been described. [provided by RefSeq, Jan 2010]