

Product datasheet for **SC313926**

TRF41 (PAPD7) (NM_006999) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRF41 (PAPD7) (NM_006999) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRF41
Synonyms:	LAK-1; LAK1; PAPD7; POLK; POLS; TRF4; TRF4-1; TRF41; TUTASE5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC313926 representing NM_006999.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGTCCCCTTGTCTGAAGAAGCAGCTATGAGAAGAGAGGTGGTAAAACGGATCGAAACTGTGGTGAAA
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ACAGATCAGGAGACTGAAGTGAAGTTGACATCAGCTTTAACATGGAGACGGGCGTCCGGGCAGCGGAG
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AGCTTTCTACAGTTGCATCCAAGAATTGATGCCCGGAGAGCTGATGAAAACCTTGAATGCTTCTTGTA
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ACACACACACGGGACAGTCTGCCCGTGAGCCTCAGCAGATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-Mlul

ACCN: NM_006999

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA

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_006999.3](#)

RefSeq Size: 3871 bp

RefSeq ORF: 1629 bp

Locus ID: 11044

UniProt ID: [Q5XG87](#)

Cytogenetics: 5p15.31

Domains: PAP_assoc, NTP_transf_2

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]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments. CCDS Note: The coding region has been updated to extend the N-terminus to one that is more supported by conservation.