

Product datasheet for **SC328577**

TRF41 (PAPD7) (NM_001171806) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRF41 (PAPD7) (NM_001171806) Human Untagged Clone
Tag:	Tag Free
Symbol:	PAPD7
Synonyms:	LAK-1; LAK1; POLK; POLS; TRF4; TRF4-1; TRF41; TUTASE5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001171806, the custom clone sequence may differ by one or more nucleotides ATGCTTCTGTAGAATTTTTGAACTCTATGGGAGAAATTTAATTACTTGAAAACCGGT ATTAGAATCAAAGAAGGAGGTGCCTATATCGCCAAAGAGGAGATCATGAAAGCCATGACC AGCGGGTACAGACCGTGCATGCTGTGCATTGAGGACCCCTGCTGCCAGGAATGACGTT GGCCGGAGCTCCTATGGCGCCATGCAGGTGAAGCAGGTCTTCGATTATGCCTACATAGTG CTCAGCCATGCTGTGCACCGCTGGCCAGGTCCTATCCAAACAGAGACGCCGAAAGTACT TTAGGAAGAATCATCAAAGTAACTCAGGAGGTGATTGACTACCGGAGGTGGATCAAAGAG AAGTGGGGCAGCAAAGCCACCCGTCGCCAGGCATGGACAGCAGGATCAAGATCAAAGAG CGAATAGCCACATGCAATGGGGAGCAGACGCAGAACCAGAGCCCGAGTCTCCCTATGGC CAGCGCTTGACTTTGTCGCTGTCCAGCCCCAGTCTCTTTCAGGCTCCTCGGCCTCT TCTGTGTCTTCACTTTCTGGGAGTGACGTTGATTGAGACACACCGCCCTGCACAACGCC AGTGTTCACAGTTTCAGTCTGCAAGCGCCAGTCTCTCATGGCCGGCTTACCCACCGCC TTGCCAATGCCAGTGGCAAACCTCAGCCACCACTTCCAGAACACTGATCATGACAACC AACAAATCAGACCAGGTTTACTATACCTCCACCGACCCCTAGGGGTTGCTCCTGTTCCCTTG AGACAAGCTGGTGTAGAAGGAATGCGTCTTTGAAAGCCGTCACACATGTCTTCCCGG GCCATTCCTCAGCGTCCCCAACCCTCTCGAGCCCTCATCTGTATCATAAGCAGCAC AACGGCATGAAACTGTCCATGAAGGGCTCTCACGGCCACACCCAAAGGCGGGCTACAGC TCTGTGGGTAGCGGAGGTGTGCGGCCCTGTGGGCAACAGGGGACACCACAGTATAAC CGCACCGCTGGAGGAGGAAAAACACACACACACACGGGACAGTCTGCCCGTGAGCCTC AGCAGATAA
Restriction Sites:	Please inquire
ACCN:	NM_001171806



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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:	<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:	<u>NM_001171806.1</u> , <u>NP_001165277.1</u>
RefSeq Size:	3473 bp
RefSeq ORF:	1089 bp
Locus ID:	11044
UniProt ID:	<u>Q5XG87</u>
Cytogenetics:	5p15.31
Protein Pathways:	RNA degradation
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (3) is shorter than isoform 1.</p>