

Product datasheet for **SC328889**

TRF41 (PAPD7) (NM_001171805) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRF41 (PAPD7) (NM_001171805) Human Untagged Clone
Tag:	Tag Free
Symbol:	TENT4A
Synonyms:	LAK-1; LAK1; PAPD7; POLK; POLS; TRF4; TRF4-1; TRF41; TUTASE5
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:	<p>>NCBI ORF sequence for NM_001171805, the custom clone sequence may differ by one or more nucleotides</p> <pre> ATGTCCCCTTGTCTGAAGAAGCAGCTATGAGAAGAGAGGTGGTAAAACGGATCGAAACT GTGGTGAAAGACCTTTGGCCGACGGCTGATGTACAGATATTTGGCAGCTTTAGTACAGGT CTTTATCTTCCAAGTACGACATAGACCTGGTGGTCTTCGGGAAATGGGAGCGTCTCTCT TTACAGCTGCTGGAGCAAGCCCTGCGGAAGCACAACGTGGCTGAGCCGTGTTCCATCAAA GTCTTTGACAAGGCTACGGTACCAATAATAAAGCTCACAGATCAGGAGACTGAAGTGAAA GTTGACATCAGCTTTAACAATGGAGACGGGCGTCCGGGCAGCGGAGTTCATCAAGAATTAC ATGAAGAAATATTCAATTGCTGCCTTACTTGATTTTAGTATTGAAACAGTTCCTTCTGCAG AGGGACCTGAATGAAGTTTTTACAGGTGGAATTAGCTCATAACAGCCTAATTTTAATGGCC ATTAGCTTTTACAGTTGCATCCAAGAATTGATGCCCGGAGAGCTGATGAAAACCTTGGA ATGCTTCTGTAGAATTTTTGAACTCTATGGGAGAAATTTAATTACTTGAAAACCGGT ATTAGAATCAAAGAAGGAGGTGCCTATATCGCCAAAGAGGAGATCATGAAAGCCATGACC AGCGGGTACAGACCGTCGATGCTGTGCATTGAGGACCCCTGCTGCCAGGAATGACGTT GGCCGGAGCTCCTATGGCGCCATGCAGGTGAAGCAGGTCTTCGATTATGCCTACATAGTG CTCAGCCATGCTGTGTCACCGCTGGCCAGTCTATCCAAACAGAGACGCCGAAAGTACT TTAGGAAGAATCATCAAAGTAACTCAGGAGGTGATTGACTACCGAGGTGGATCAAAGAG AAGTGGGGCAGCAAAGCCACCCGTCGCCAGGCATGGACAGCAGGATCAAGATCAAAGAG CGAATAGCCACATGCAATGGGGAGCAGACGCAGAACCGAGAGCCCGAGTCTCCCTATGGC CAGCGCTTGACTTTGTGCTGTCCAGCCCCAGTCTCTGTCTTACAGGCTCCTCGGCCTCT TCTGTGCTTCACTTTCTGGGAGTGACGTTGATTACAGACACCCGCTGCACAACGCC AGTGTTTACCAGTTCAGTCTGCAAGCGCCAGTCTCTCATGGCCGGCTTACCCACCGCC TTGCCAATGCCAGTGGCAAACCTCAGCCACCACTTCCAGAACACTGATCATGACAACC AACAAATCAGACCAGGTTTACTATACCTCCACCGACCCTAGGGGTTGCTCCTGTTCCCTGC AGACAAGCTGGTGTAGAAGGAACTGCGTCTTTGAAAGCCGTCACCCACATGTCTTCCCGG GCCATTCCTCAGCGTCCCCAACCCTGCTCGAGCCCTCATCTGTATCATAAGCACAAC GGCATGAAACTGTCCATGAAGGGCTCTCACGGCCACACCAAGGCGGGGCTACAGCTCT GTGGGTAGCGGAGGTGTGCGGCCCTGTGGGCAACAGGGGACACCACAGTATAACCGC ACCGGCTGGAGGAGGAAAAACACACACACACGGGACAGTCTGCCCGTGAAGCTCAGC AGATAA </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001171805
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_001171805.1](#), [NP_001165276.1](#)

RefSeq Size: 3868 bp

RefSeq ORF: 1626 bp

Locus ID: 11044

UniProt ID: [Q5XG87](#)

Cytogenetics: 5p15.31

Protein Pathways: RNA degradation

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 (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: 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.