

Product datasheet for **SC308887**

TRF1 (TERF1) (NM_017489) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRF1 (TERF1) (NM_017489) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRF1
Synonyms:	hTRF1-AS; PIN2; t-TRF1; TRBF1; TRF; TRF1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_017489 edited
 TTTAACATGGCGGAGGATGTTTCCTCAGCGGCCCGAGCCCGCGGGGCTGTGCGGATGGT
 AGGGATGCCGACCCTACTGAGGAGCAGATGGCAGAAACAGAGAGAAACGACGAGGAGCAG
 TTCGAATGCCAGGAACCTGCTCGAGTGCCAGGTGCAGGTGGGGGCCCGAGGAGGAGGAG
 GAGGAGGAGGAGGACGCGGGCCTGGTGGCCGAGGCCGAGGCCGTGGCTGCCGGCTGGATG
 CTCGATTTCTCTGCCTCTCTTTGCCGAGCTTCCGCGACGGCCGCTCCGAGGACTTC
 CGCAGGACCCGCAACAGCGCAGAGGCTATTATTCATGGACTATCCAGTCTAACAGCTTGC
 CAGTTTGAGAACGATATACATATGTCAGTTTTTGACAAGAATTGCAGCAGGAAAAACCTT
 GATGCACAGTTTTGAAAATGATGAACGAATTACACCCTTGAATCAGCCCTGATGATTTGG
 GGTTC AATTGAAAAGGAACATGACAACTTCATGAAGAAATACAGAATTTAATTAATAA
 CAGGCTATAGCTGTTTGTATGGAATGGCACTTTAAAGAAGCAGAAGAAGTCTTTGAA
 AGAATATTTGGTATCCAAATTCATATGCCTTTCAAAGCAAATGCTTATGATAATC
 TCTCAGAAAGATACATTTCTTCTTTTTCAACACTTCAGCTACAACCACATGATGGAG
 AAAATTAAGATTATGTGAATTATGTGCTAAGTAAAAATCATCAACCTTTCTAATGAAG
 GCAGCGGCAAAAGTAGTAGAAAGCAAAGGACAAGAACAATAACTTCTCAAGATAAACCT
 AGTGGTAAATGATGTTGAAATGGAACCTGAAGCTAATTTGGATACAAGAAAAAGTGTAGT
 GACAAACAGTCTGCGGTAACCTGAATCCTCAGAGGGTACAGTATCCTTATTGAGGTCTCAC
 AAGAATCTTTCTTATCTAAGTTGCAACATGGAACCCAGCAACAAGACCTTAATAAGAAA
 GAAAGAAGAGTAGGAACTCCTCAAAGTACAAAAAGAAAAAGAAAGCAGAAGAGCCACT
 GAAAGCAGAATACCTGTTTCAAAGAGTCAGCCGTAACCTCTGAAAAACATCGAGCTAGA
 AAAAGACAGGCATGGCTTTGGGAAGAAGACAAGAATTTGAGATCTGGCGTGAGGAAATAT
 GGAGAGGAAAACCTGGTCTAAAATACTGTTGCATTATAAATTCACAACCCGGACAAGTGTC
 ATGTTAAAAGACAGATGGAGGACCATGAAGAACTAAAACCTGATTTCTCAGACAGCGAA
 GACTGATTGTGTTGTAAAAGCTTGATGAAAGGACAGTTAAGTATTTTGATCACTGCATT
 TTGTTTGAACCTGTGTCATTGATGTAATTTAAAACCTTTGTTTAAAGCATTACAGTATT
 TTTCTGTGACCATCAATTAATGAGGGTTTGTGCTACCAGAGTTAAAGCATATGCTATCAT
 TGTATTCTTTAAGAACCTTATTTTGATAAAATGTAATTTGTTGAACCTGCCACATTTA
 GTATCCCCACCCCAATCCTGTCCAATGAAAAAATTAACCTGATACGDAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_017489

Insert Size: 1600 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_017489.1.

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_017489.1</u> , <u>NP_059523.1</u>
RefSeq Size:	2686 bp
RefSeq ORF:	1320 bp
Locus ID:	7013
UniProt ID:	<u>P54274</u>
Cytogenetics:	8q21.11
Domains:	myb_DNA-binding
Protein Families:	Transcription Factors
Gene Summary:	<p>This gene encodes a telomere specific protein which is a component of the telomere nucleoprotein complex. This protein is present at telomeres throughout the cell cycle and functions as an inhibitor of telomerase, acting in cis to limit the elongation of individual chromosome ends. The protein structure contains a C-terminal Myb motif, a dimerization domain near its N-terminus and an acidic N-terminus. Two transcripts of this gene are alternatively spliced products. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>