

Product datasheet for **SC310415**

TRF1 (TERF1) (NM_003218) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRF1 (TERF1) (NM_003218) 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)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_003218 edited
 ATTTTAACATGGCGGAGGATGTTTCCTCAGCGGCCCGAGCCCGGGGCTGTGCGGATG
 GTAGGGATGCCGACCCTACTGAGGAGCAGATGGCAGAAACAGAGAAAACGACGAGGAGC
 AGTTCGAATGCCAGAACTGCTCGAGTGCCAGGTGCAGGTGGGGGCCCGAGGAGGAGG
 AGGAGGAGGAGGAGGACGCGGCCTGGTGGCCGAGGCCGAGGCCGTGGCTGCCGGCTGGA
 TGCTCGATTTCTCTGCCTCTCTTTGCCGAGCTTCCGCGACGGCCGCTCCGAGGACT
 TCCGACGACCCGCAACAGCGCAGAGGCTATTATTCATGGACTATCCAGTCTAACAGCTT
 GCCAGTTGAGAACGATATACATATGTCAAGTTTTGACAAGAATTGCAGCAGGAAAAACCC
 TTGATGCACAGTTTGAAAATGATGAACGAATTACACCCTTGAATCAGCCCTGATGATTT
 GGGGTTCAATTGAAAAGGAACATGACAACTTCATGAAGAAATACAGAATTTAATTAATA
 TTCAGGCTATAGCTGTTTGTATGGAAAATGGCAACTTTAAAGAAGCAGAAGAAGTCTTTG
 AAAGAATATTTGGTGATCCAAATTCATATGCCTTTCAAAGCAAATTGCTTATGATAA
 TCTCTCAGAAAGATACATTTTCATCCTTTTTTCAACACTTCAGCTACAACCACATGATGG
 AGAAAATTAAGAGTTATGTGAATTATGTGCTAAGTAAAAATCATCAACCTTTCTAATGA
 AGGCAGCGGCAAAAGTAGTAAAGCAAAGGACAAGAACAATAACTTCTCAAGATAAAC
 CTAGTGGTAATGATGTTGAAATGAAAACGAAGCTAATTTGGATACAAGAAAAAGTCTC
 ACAAGAATCTTTTCTTATCTAAGTTGCAACATGGAACCCAGCAACAAGACCTTAATAAGA
 AAGAAAGAAGAGTAGGAACTCCTCAAAGTACAAAAAGAAAAAGAAAGCAGAAGAGCCA
 CTGAAAGCAGAATACCTGTTTCAAAGAGTCAGCCGGTAACTCCTGAAAAACATCGAGCTA
 GAAAAAGCAGGCATGGCTTTGGGAAGAAGACAAGAATTTGAGATCTGGCGTGAGGAAAT
 ATGGAGAGGAACTGGTCTAAAATACTGTTGCATTATAAATTCACAACCGGACAAGTG
 TCATGTTAAAAGCAGATGGAGGACCATGAAGAACTAAAAGTATTTCTCAGACAGCG
 AAGACTGATTGTGTTTGTAAAAGCTTGATGAAAGGACAGTTAAGTATTTTGTACTGCA
 TTTTGTGAAAACCTGTGTCATTGATGTAATTTAAAACCTTTGTTTAAAGCATTACAGTA
 TTTTCTGTGACCATCAATTAATGAGGGTTTGTGCTACCAGAGTTAAAGCATATGCTATC
 ATTGTATTCTTTAAGAACCTTATTTTGATAAAATGTAATTTGTTGAACCTGCCACATT
 TAGTATCCCCACCCCAATCCTGTTCCAATGAAAAAATAAAACCTGATACGCAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_003218

Insert Size: 1600 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: The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_003218.2.

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_003218.2](#), [NP_003209.1](#)

RefSeq Size: 2626 bp

RefSeq ORF: 1260 bp

Locus ID: 7013

UniProt ID: [P54274](#)

Cytogenetics: 8q21.11

Domains: myb_DNA-binding

Protein Families: Transcription Factors

Gene Summary: 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]
Transcript Variant: This variant (2) lacks an alternate in-frame exon, compared to variant 1, resulting in a shorter protein (isoform 2), compared to isoform 1.