

Product datasheet for **SC123553**

TRF2 (TERF2) (BC024890) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TRF2 (TERF2) (BC024890) Human Untagged Clone
Tag:	Tag Free
Symbol:	TRF2
Synonyms:	TRBF2; TRF2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for BC024890 edited
 ATGGCCGCGGGAGCCGGGACGGCGGGCCCCGCTTCCGGCCCGGGCGTCGTGCGTGACCCA
 GCGGCGTCACAGCCGAGGAAGCGCCCGGGAGGGCGGGAGGGCGCGCGGATCG
 GACACGATGGCGGGAGGAGCGGGAGTAGCGACGCGAGCGGGCGGCAGCTGGCAGGCGG
 GCGTCCCGCAGTAGCGGGCGGGCCCGCGGGGGCGCCACGAGCCGGGGCTGGGGGCCCCG
 GCGGAGCGCGGCGGGGGAGGCACGGCTGGAAGAGGCAGTCAATCGCTGGGTGCTCAAG
 TTCTACTTCCACGAGGCGCTGCGGGCCTTTCGGGGTAGCCGGTACGGGGACTTCAGACAG
 ATCCGGGACATCATGCAGGCTTTGCTTGTGTCAGGCCCTTGGGGAAGGAGCACACCGTGTC
 CGATTGCTGCGGGTTATGCAGTGTCTGTCGCGGATTGAAGAAGGGGAAAAATTTAGACTGT
 TCCTTTGATATGGAGGCTGAGCTCACACCACTGGAATCAGCTATCAATGTGCTGGAGATG
 ATAAAAACGGAATTTACTACTGACAGAAGCAGTGGTCGAATCCAGTAGAAAAGTGGTCAAG
 GAAGCTGCTGTCAATTATTTGTATCAAAAACAAAGAATTTGAAAAGGCTTCAAAAATTTTG
 AAAAAACATATGTCCAAGGACCCACAACCTCAGAAGCTGAGAAATGATCTCCTGAATATT
 ATTCGAGAAAAGAACTTGGCCCATCCTGTTATCCAGAATTTTTCATATGAGACCTTCCAG
 CAGAAGATGCTGCGCTTCTGGAGAGCCACCTGGATGACGCCGAGCCCTACCTCCTCACG
 GTGCGCCTTGGCCCTTCTCCATAACCATGGTGTGCCCTTGAGGATGTGCGGGGAATCAG
 AATATCTGAAGTAAAAGAGTTGATGTGTGAAAAAGACATTGAATTGTATGCACTAGCTT
 TCTTAATTAATGCCTTAAAAATGCAAAAAGCAGGCCAGGCGCAATGGCTCACGCCTGTAA
 TCCCAGCACTTTGGGAGGCCAGGGGGTGGATCACCTGAGGTCAGGAGTTCGAGACCTG
 CCTGAGCAACATGGTGAACCCCATCTCTACTAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC024890 unedited GGGNCGGACCGCGCAATTCCTGGGATATCGTCGACCCACGCGTCCGATGGCCGCGGGAGC CGGGACGGCGGGCCCCGCTTCCGGCCCCGGGCGTCGTGCGTGACCCAGCGGCGTCACAGCC GAGGAAGCGGCCCGGCCGGGAGGGCGGGGAGGGCGCGCGGCGATCGGACACGATGGCGGG AGGAGGCGGGAGTAGCGACGGCAGCGGGCGGGCAGCTGGCAGGCGGGCGTCCCAGTAG CGGGCGGGCCCCGGCGGGGGCCACGAGCCGGGGCTGGGGGGCCCCGGCGGAGCGCGGGC GGGGAGGCACGGCTGGAAGAGGCAGTCAATCGCTGGTGCTCAAGTTCTACTTCCACGA GGCGCTGCGGGCCTTTCGGGTAGCCGGTACGGGACTTCAGACAGATCCGGGACATCAT GCAGGCTTTGCTTGTGTCAGGCCCTTGGGAAGGAGCACACCGTGTCCCGATTGCTGCGGGT TATGCAGTGTCTGTCGCGGATTGAAGAAGGGGAAAATTTAGACTGTTCTTTGATATGGA GGCTGAGCTCACACCACTGGAATCAGCTATCAATGTGCTGGAGATGATTAACCGGAATT TACTGACAGAAAGCAGTGGTGAATCCAGTAGAAAAGTGGTCAAGGAAGCTGCTGTCAT TATTTGTATCAAAAACAAAGAATTTGAAAAGGCTTCAAAAATTTGAAAAACATATGTC CAAGGACCCACAACCTCAGAAGCTGAGAAATGATCTCCTGAATATTATTCGAGAAAAGAC TTGCCCATCCTGTTATCCAGAACTTTTCATATGAGACCTTCCAGCAGAAGATGCTGCGC TCCTGGAGGCCACCTGGAA
Restriction Sites:	Please inquire
ACCN:	BC024890
Insert Size:	1127 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
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:	BC024890.1 , AAH24890.1
RefSeq Size:	1127 bp
Locus ID:	7014

Cytogenetics: 16q22.1

Protein Families: Transcription Factors

Gene Summary: This gene encodes a telomere specific protein, TERF2, which is a component of the telomere nucleoprotein complex. This protein is present at telomeres in metaphase of the cell cycle, is a second negative regulator of telomere length and plays a key role in the protective activity of telomeres. While having similar telomere binding activity and domain organization, TERF2 differs from TERF1 in that its N terminus is basic rather than acidic. [provided by RefSeq, Jul 2008]