

## Product datasheet for **SC100321**

### TCEAL7 (NM\_152278) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TCEAL7 (NM_152278) Human Untagged Clone
Tag:	Tag Free
Symbol:	TCEAL7
Synonyms:	WEX5
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC100321 sequence for NM_152278 edited (data generated by NextGen Sequencing) ATGCAAAAACCCGCAAAAGAAAACGAAGGAAAGCCAAAGTGCAGCGTGCCAAAGAGGGAG GAAAAACGCCCGTATGGAGAATTTGAACGCCAGCAAACAGAAGGGAATTTAGACAGAGG CTGCTCAGTCTCTCGAAGAATTTAAAGAGGACATAGACTATAGGCATTTTAAAGATGAA GAAATGACAAGGGAGGGAGATGAGATGGAAAGGTGTTTGGAAAGATAAGGGGTCTGAGA AAGAAATTTAGGGCTCTGCATTCTAACCATAGGCATTCTCGGGACCGTCCTTATCCCATT TAA  Clone variation with respect to NM_152278.3



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_152278 unedited</p> <pre>GGGTTACATTTGTATACGACTCATATAGGCGGCCGNAATTCGCACGAGGCTCCTTAC TGCCCTGCAGACAAGCGTGCCGTGCGTGCTTGTGGCCAAGGGAAGGAAGAGGTCCCAGGA TCTGTGTTACAGACATCTGGGGGAAGAAAAGGAGCAGGAACTACCCCGCACAGAGTTA AGCAGGAAACAACAACATCATGCAAAAACCTGCAAGAAAACGAAGGAAAGCCAAA GTGCAGCGTGCCAAAGAGGGAGGAAAAACGCCCGTATGGAGAATTTGAACGCCAGCAAAC AGAAGGGAAATTTTAGACAGAGGCTGCTTCACTCTCTCGAAGAATTTAAAGAGGCATAGA CTATAGGCATTTTAAAGATGAAGAAATGACAAGGGAGGGAGATGAGATGGAAAGGTGTTT GGAAGAGATAAGGGGTCTGAGAAAAGAAATTTAGGGCTCTGCATTCTAACCATAGGCATTC TCGGGACCGTCTTATCCCATTTAATTAATTTCTCTGACAATTCATTTTCTGTTAT TAATGTTGCCACTGCTTCTGTTGTCTGCACTTCTTGATAAATATTTGCTATCGTTTT ACTCCAGTCATTGATGTTGCTGAGATTACATATGACTCTTGCAACATCTCATCTTTT GACCCAATCTTATTCATTTAATAAGAGGTCTCATTCAATTTGCATGGAAAAATGCTCATTG TATATTGCANAGTAAAAAATACGAGTTGCAAAACAGTGTATCATATATGTGTGTATATAT GTACACTNTATTTGTACATTTCTATGTGACATAATGCANAGNAAAGTGTCTGATTTTATT ATACACCAAGGGTTACAGTGAATCTCTGNGTGATCTCTTTTTTTTTCTTTTGCCTATC TGATCTTCTCACTTGCCAAAAATGATATATGNTNTATGTGNGGATATTTACTTGGGTCA CAAAAACACTAANGT</pre>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_152278 unedited</p> <pre>CCAGTTTTACTCTGGCTAATAGACCAGAGTAATTGGAAGTTTACATTTTACATTTTACGC TTCTGTTATTGAGAGTTTATTAAGTGTTCATTGCCTTCCAAAGGCGATTGACAAGTTCT TTTACTGTCTACTTTAAGGTTTTTTGTGACACAAGTAATATACACACATAAATATATATT CATTTTTTGGCAAGTGAGAAGATGCAGATAGGCCAAAAGAAAAAAGAGATCACACAG AGATTCAGTGTAAACCTTTGGGTATAATAAAATCAGACACTTTCCTTTGCATTATGTCA CATAGAAATGTACAAATAAAGTGTACATATATACACACATATATGTATACACTGTTTTGC AACTCGTTATTTTCACTTTGCAATATACAATGAGCATTTTTCCATGCAAAATGAATGAGAC CTCTTATTAATGAATAAGATTGGGTCAAAAGATGAGATGTTGACAAGAGTCATATGTAA ATCTCATCAACATCGAATGACTGGAGTAAAACGATAGCAAATATTTATCAAGAAAGTGCA GACAAACAGAAAGCAGTGGCAACATTAATAACAGAAAAAATTTGAATTGTCAGAGAAATT AATTAATGGGATAATGACGGTCCCGAGAATGCCTATGGTTAGAATGCAGAGCCCTAAAT TTCTTTCTCAGACCCCTTATCTCTCCATACACCTTCCATCTCATCTNCTGCCTGNC ATTTCTTCATCTNTAAATGCCTATAGNCTATGTCTCTCTAAATTCNCGAGAGACTGAA GCAGCCTCTGTCTAAAATTCCTNCTGTTTGTAGCAGTCAAATTCNCTACAGGCGTTT TTNCTACCTCTTAGCACGCTGCACTTAGACTTTCTACGTTTCTAGCANAGGNTTGCAT GATGTAGNTAGTGTCCCTGCTAACTCTTGCAAGGNTAGTTCTGCTCTTTCTTCCAN AGTCTGGAACCAATCCTGGGACTCTNCTTCTAGCCNNANACCAAGNACGCTTGCTGAGG CATAGGACCTCTGCGATTGACGCGN</pre>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_152278
<b>Insert Size:</b>	1260 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_152278.1](#), [NP\\_689491.1](#)

**RefSeq Size:** 1164 bp

**RefSeq ORF:** 303 bp

**Locus ID:** 56849

**UniProt ID:** [Q9BRU2](#)

**Cytogenetics:** Xq22.2

**Gene Summary:** Plays a role in the negative regulation of NF-kappa-B signaling at the basal level by modulating transcriptional activity of NF-kappa-B on its target gene promoters. Associates with cyclin D1 promoter containing Myc E-box sequence and transcriptionally represses cyclin D1 expression. Regulates telomerase reverse transcriptase expression and telomerase activity in both ALT (alternative lengthening of telomeres) and telomerase-positive cell lines. [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the longer transcript. Variants 1 and 2 encode the same protein.