

## Product datasheet for **SC301120**

### TCEAL4 (NM\_001006937) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TCEAL4 (NM_001006937) Human Untagged Clone
Tag:	Tag Free
Symbol:	TCEAL4
Synonyms:	NPD017; WEX7
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001006937, the custom clone sequence may differ by one or more nucleotides ATGGA AAAA CTCTACAGTGAAAATGAAGGAATGGCTTCAAACCAAGGAAAGATGGAAAAT GAAGAACAGCCACAAGACGAGAGAAAGCCAGAAGTAACTTGTACTCTGGAAGACAAGAAG TTAGAAAACGAGGGAAAGACAGAAAACAAGGGCAAACAGGAGATGAGGAAATGTTAAAG GATAAAGGAAAGCCAGAGAGTGAGGGAGAGGCAAAGAAGGAAAGTCAGAGAGGGAGGGA GAGTCAGAGATGGAGGGAGGATCAGAGAGAGAGGGAAAACAGAGATAGAGGGAAAGCCA GAGAGTGAAGGAGAGCCAGGGAGTGAAACAAGGGCTGCAGGAAAGCGCCAGCTGAGGAT GATGTACCCAGGAAAGCCAAAAGAAAACTAATAAGGGGCTGGCTCATTACCTCAAGGAG TATAAAGAGGCCATACATGATATGAATTCAGCAATGAGGACATGATAAGAGAATTTGAC AATATGGCTAAGGTGCAGGATGAGAAGAGAAAAAGCAAACAGAAATTTGGGGCGTTTTTG TGGATGCAAAGAAATTTACAGGACCCCTTCTACCCTAGAGGTCCAAGGGAATTCAGGGGT GGCTGCAGGGCCCCACGAAGGGACATTGAAGACATTCTTATGTGTAG
Restriction Sites:	Please inquire
ACCN:	NM_001006937
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).



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**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\\_001006937.1](#), [NP\\_001006938.1](#)

**RefSeq Size:** 1289 bp

**RefSeq ORF:** 648 bp

**Locus ID:** 79921

**UniProt ID:** [Q96EI5](#)

**Cytogenetics:** Xq22.2

**Gene Summary:** This gene encodes a member of the transcription elongation factor A (SII)-like (TCEAL) gene family. This family is comprised of nuclear phosphoproteins that modulate transcription in a promoter context-dependent manner. Multiple family members are located on the X chromosome. Alternatively splicing results in multiple transcript variants. There is a pseudogene for this gene on chromosome 13. [provided by RefSeq, Apr 2015]  
Transcript Variant: This variant (4) uses two alternate splice sites in the 5' UTR compared to variant 1. Variants 1, 2, 4, 6, 7, and 8 encode the same isoform (1).