

## Product datasheet for **RG203524**

### **TCEAL3 (NM\_001006933) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TCEAL3 (NM\_001006933) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TCEAL3  
**Synonyms:** WEX8  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG203524 representing NM\_001006933  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGATCGCC

ATGAAAAACCTACAATAAAAAATGAAGGAAACCTGGAAAACGAGGGAAGCCAGAAGATGAAGTAGAGC  
CTGATGATGAAGGAAAGTCAGACGAGGAAGAAAAGCCAGACGTGGAGGGGAAGACAGAATGCGAGGGAAA  
GAGAGAGGATGAGGGAGAGCCAGGTGATGAGGGACAACCTGGAAGATGAGGGAAGCCAGGAAAAGCAGGGC  
AGGTCCGAAGGTGAGGGCAAGCCACAAGGCGAGGGCAAGCCAGCCTCCCAGGCAAAGCCAGAGAGCCAGC  
CGCGGGCCGCGAAAAGCGCCCGCTGAAGATTATGTGCCCCGAAAGCAAAAAGAAAAACGGACAGGGG  
GACGGACGATTCCCCAAGGACTCTCAGGAGGACTTACAGGAAAGGCATCTGAGCAGTGAGGAGATGATG  
AGAGAATGTGGAGATGTGTCAAGGGCTCAAGAGGAGCTAAGGAAAAAACAGAAAATGGGTGGTTTTCATT  
GGATGCAAAGAGATGTACAGGATCCATTCGCCCAAGGGGACAACGGGGTGTGAGGGGAGTGAGGGGTGG  
AGGTAGGGGCCAGAGGGGCTTACACGATATCCCATACCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG203524 representing NM\_001006933  
Red=Cloning site Green=Tags(s)

MEKPYNKNEGNLENEGKPEDEVEPDDEGKSDEEEKPDVEGKTECEGKREDEGEPEGDEGQLEDEGSQEKQG  
 RSEGEGKPQGEKGPASQAKPESQPRAAEKRAEDYVPRKAKRKTDRGTDSPKDSQEDLQERHLSSEEMM  
 RECGDVSRAQEELRKKQKMGGFHWMQRDVQDPFAPRGQRGVVRGGGRGQRGLHDIPYL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001006933

**ORF Size:** 600 bp

**OTI Disclaimer:** 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:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001006933.1](#), [NP\\_001006934.1](#)

**RefSeq Size:** 1154 bp

**RefSeq ORF:** 603 bp

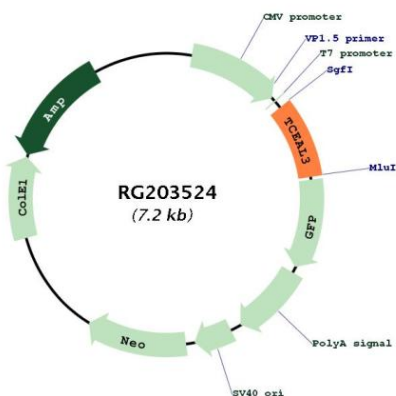
**Locus ID:** 85012

**UniProt ID:** [Q969E4](#)

**Cytogenetics:** Xq22.2

**Gene Summary:**

This gene encodes a member of the transcription elongation factor A (SII)-like (TCEAL) gene family. Members of this family contain TFA domains and may function as nuclear phosphoproteins that modulate transcription in a promoter context-dependent manner. Multiple family members are located on the X chromosome. Alternative splicing results in multiple transcript variants encoding a single isoform. [provided by RefSeq, Jul 2008]

**Product images:**


Circular map for RG203524