

## Product datasheet for **RG213739**

### TCEAL4 (NM\_001006935) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TCEAL4 (NM_001006935) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TCEAL4
Synonyms:	NPD017; WEX7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213739 representing NM_001006935 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAAAACTCTACAGTAAAAATGAAGGAATGGCTTCAAACCAAGGAAAGATGGAAAAATGAAGAACAGC  
CACAAAGACGAGAGAAAGCCAGAAGTAACCTGTACTCTGGAAGACAAGAAGTTAGAAAACGAGGGAAAGAC  
AGAAAACAAGGGCAAAACAGGAGATGAGGAAATGTTAAAGGATAAAGGAAAGCCAGAGAGTGAGGGAGAG  
GCAAAAAGAAGGAAAGTCAGAGAGGGAGGGAGAGTCAGAGATGGAGGGAGGATCAGAGAGAGAGGGAAAAAC  
CAGAGATAGAGGGAAAGCCAGAGAGTGAAGGAGAGCCAGGGAGTAAACAAGGGCTGCAGGAAAGCGCCC  
AGCTGAGGATGATGTACCCAGGAAAGCCAAAAGAAAACTAATAAGGGGCTGGCTATTACCTCAAGGAG  
TATAAAGAGGCCATACATGATATGAATTCAGCAATGAGGACATGATAAGAGAATTTGACAATATGGCTA  
AGGTGCAGGATGAGAAGAGAAAAAGCAAACAGAAATGGGGCGCTTTTGTGGATGCAAAGAAATTTACA  
GGACCCCTTCTACCCTAGAGGTCCAAGGAATTCAGGGGTGGCTGCAGGGCCCCACGAAGGGACATTGAA  
GACATTCCTTATGTG

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG213739 representing NM\_001006935  
 Red=Cloning site Green=Tags(s)

MEKLYSENEGMA SNQGMENEEQPQDERKPEVTCTLEDK KLENEGKTENK GKTGDEEMLKDKGKPESEGE  
 AKEGKSEREGESEMEGGSEREGKPEIEGKPESEGE PGSETRAAGKRPAEDDVPRKAKRKTNKGLAHLKE  
 YKEAIIHDMNFSNEDMIREFDNMAKVQDEKRKSKQKLGAF LWMQRNLQDPFYPRGPREFRGGCRAPRRDIE  
 DIPYV

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001006935

**ORF Size:** 645 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\\_001006935.3](#)

**RefSeq Size:** 1294 bp

**RefSeq ORF:** 648 bp

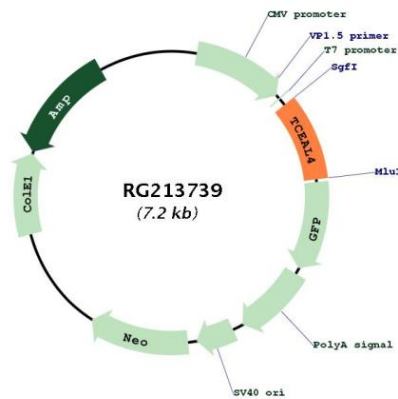
**Locus ID:** 79921

**UniProt ID:** [Q96E15](#)

**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]

**Product images:**



Circular map for RG213739