

Product datasheet for **RG214906**

TCEAL4 (NM_024863) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCEAL4 (NM_024863) 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:	>RG214906 representing NM_024863 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAAACTCTACAGTAAAAATGAAGGAATGGCTTCAAACCAAGGAAAGATGGAAAAATGAAGAACAGC
CACAAGACGAGAGAAAGCCAGAAGTAACCTGTACTCTGGAAGACAAGAAGTTAGAAAACGAGGGAAAGAC
AGAAAACAAGGGCAAAACAGGAGATGAGGAAATGTTAAAGGATAAAGGAAAGCCAGAGAGTGAGGGAGAG
GCAAAAAGAAGGAAAGTCAGAGAGGGAGGGAGAGTCAGAGATGGAGGGAGGATCAGAGAGAGAGGGAAAAAC
CAGAGATAGAGGGAAAGCCAGAGAGTGAAGGAGAGCCAGGGAGTAAAACAAGGGCTGCAGGAAAGCGCCC
AGCTGAGGATGATGTACCCAGGAAAGCCAAAAGAAAACTAATACGGGGCTGGCTATTACTCAAGGAG
TATAAAGAGGCTATACATGATATGAATTCAGCAATGAGGACATGATAAGAGAATTTGACAATATGGCTA
AGGTGCAGGATGAGAAGAGAAAAAGCAAAACAGAAATGGGGCGCTTTTGTGGATGCAAAGAAATTTACA
GGACCCCTTCTACCCTAGAGGTCCAAGGAATTCAGGGGTGGCTGCAGGGCCCCACGAAGGGACATTGAA
GACATTCCTTATGTG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG214906 representing NM_024863
Red=Cloning site Green=Tags(s)

MEKLYSENEGMA SNQGMENEEQPQDERKPEVTCTLEDK KLENEGKTENKGKTGDEEMLKDKGKPESEGE
 AKEGKSEREGESEMEGGSEREGKPEIEGKPESEGE PGSETRAAGKRPAEDDVPRKAKRKTNTGLAHLKE
 YKEAIHDMNFSNEDMIREFDNMAKVQDEKRKSKQKLGAF LWMQRNLQDPFYPRGPREFRGGCRAPRRDIE
 DIPYV

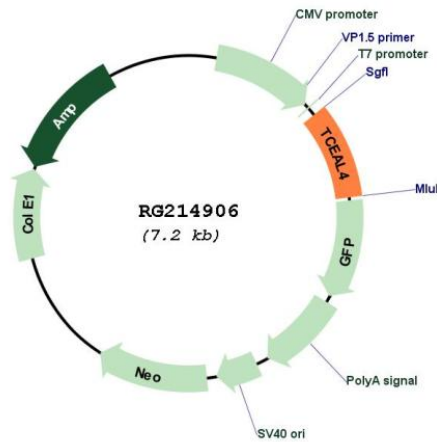
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_024863

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:	<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:	NM_024863.4 , NP_079139.4
RefSeq Size:	1353 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]