

Product datasheet for **RG211139**

TCEAL2 (NM_080390) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCEAL2 (NM_080390) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TCEAL2
Synonyms:	my048; MY0876G05; WEX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG211139 representing NM_080390 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAAAACTCTTCAATGAAAATGAAGGAATGCCTTCGAATCAAGGAAAGATAGACAATGAAGAACAGC
CACCGCACGAGGGAAAGCCAGAAGTAGCTTGTATTCTGGAAGACAAGAAGTTAGAAAACGAGGGAAACAC
AGAAAACACGGGCAAGAGAGTTGAGGAACCGTTAAAGGATAAAGAAAAGCCAGAGAGTGCGGGAAAGGCA
AAAGGAGAAGGAAAGTCAGAGAGGAAGGAAAGTCAGAGATGCAGGGAGGATCAAAGACAGAGGGAAAGC
CAGAGAGAGGGGAAGGGCAGAGGTGAAGGAGAGCCAGACAGTAAAGAGAGCCAGAGAGTGAGGGAGA
GCCAGAAAGTGAAACAAGGGCTGCAGGAAAGCGCCAGCTGAGGATGATATACCCAGGAAAGCCAAAAGA
AAAACCAACAAGGGGCTGGCTCAGTACCTCAAGCAATATAAGGAAGCCATACATGATATGAATTTTCAGCA
ATGAGGACATGATAAGAGAATTTGACAACATGGCTAGGGTGGAGGATAAAGGAGAAAAAGCAAACAGAA
ATTGGGGCGTTTTTGTGGATGCAAAGAAATTTACAGGACCCCTTCTATCCTAGGGGTCCAAGGGAATTC
AGGGGTGGCTGCAGGGCCCCACGAAGGGACACTGAAGACATTCCTTATGTG

ACGCGTACGCGGCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG211139 representing NM_080390
Red=Cloning site Green=Tags(s)

MEKLFNENEGMPSNQGKIDNEEQPPHEGKPEVACILEDKKLENEGNTENTGKRVEEPLKDKEKPESAGKA
KGEKSKERKKGKSEMGGGSKTEGKPERGGRAEGEGEPDSEREPESEGEPESETRAAGKRP AEDDIPKAKR
KTNKGLAQYLKQYKEAIHDMNFSNEDMIREFDNMARVEDKRRKSKQKLGAFLWMQRNLQDPFYPRGPREF
RGGCRAPRRDTEIPYV

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_080390

ORF Size: 681 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_080390.4](#)

RefSeq Size: 1123 bp

RefSeq ORF: 684 bp

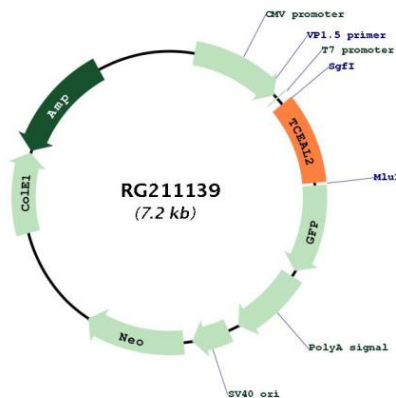
Locus ID: 140597

UniProt ID: [Q9H3H9](#)

Cytogenetics: Xq22.1

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. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG211139