

Product datasheet for **RG237703**

TCEAL4 (NM_001300901) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCEAL4 (NM_001300901) 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:	>RG237703 representing NM_001300901. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCCAGCTGGAGGCCAGGCGCCGAGCTCACGCTGTAATCCCAGCGTTTTGGGAGGCCAGGGGCCTC
CCAAATTCAAAAGGAAGAGACAAAGTCCACATCTGTCAATGCGAAGAATGGAAAGGTCACATATCATAT
GTGGAGCGGGACATAACAACCTCGGAAATTAATCTCTTCCCCAGGTCAGTGTGCGGGCCTTCCACGCT
GCCAGCGAACACTGGAATGGCGGAAGGGGAACGGGTACGGCAGGGGAAAGGCTGGGGTGGGGTCCG
GTCGAGTCGAGGGAAGCTGGCCCGAGTGTGGACAGAGATGGCGGTCTGCGCGTCTGTTGTTCCAGCGC
TCTGCGAAGCCTGAAAAGGAGGACAACTGTCCAGAATCCCCGAGTCCGTGAAAGACAGGAAAAGG
AGGGGAAATCTCGACATGGAAAACTCTACAGTGAATGAAGGAATGGCTTCAAACCAAGGAAAGATG
GAAAATGAAGAACAGCCACAAGACGAGAGAAAAGCCAGAAGTAACTTGTACTCTGGAAGACAAGAAGTTA
GAAAACGAGGGAAAGACAGAAAACAAGGGCAAAACAGGAGATGAGGAAATGTTAAAGGATAAAGGAAAG
CCAGAGAGTGAGGGAGAGGCAAAAGAAGGAAAGTCAGAGAGGGAGGGAGAGTCAGAGATGGAGGGAGGA
TCAGAGAGAGAGGGAAAACAGAGATAGAGGGAAAAGCCAGAGAGTGAAGGAGAGCCAGGGAGTGAACA
AGGGCTGCAGGAAAGCGCCAGCTGAGGATGATGTACCCAGGAAAGCCAAAAGAAAACATAAAGGGG
CTGGCTCATTACCTCAAGGAGTATAAAGAGGCCATACATGATATGAATTCAGCAATGAGGACATGATA
AGAGAATTTGACAATATGGCTAAGGTGCAGGATGAGAAGAGAAAAGCAAACAGAAATTTGGGGCGTTT
TTGTGGATGCAAAGAAATTTACAGGACCCCTTCTACCCTAGAGGTCCAAGGGAATTCAGGGGTGGCTGC
AGGGCCCCACGAAGGGACATTGAAGACATTCCTTATGTG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237703
 Blue=ORF Red=Cloning site Green=Tag(s)

MPAGGQAPQLTPVIPAFWEARGLPNSKGRDKVHICQCEEWKGHISYVERDITTSEIKSLPQVSVRAFHA
 ASGTLEWRKNGYGRGKGWGWRVESREAGPSVDRDGGLRVCCSQRSAPKEKEEQPVQNPRRSVKDRKR
 RGNLDMEKLYSENEGMA SNQGMENEEQPQDERKPEVTCTLEDKLENEGKTENKGTGDEEMLKDKGK
 PESEGEAKEGKSEREGESEMEGGSEREGKPEIEGKPESEGEPSSETRAAGKRPAEDDVPRKAKRKTNGK
 LAHYLKEYKEA IHD MNF SNEDMIREFDNMAKVQDEKRRSKQKLGAF LWMQRNLQDPFYPRGPREFRGGC
 RAPRRDIEDIPYV
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYP SGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRS NATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001300901

ORF Size: 1074 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).

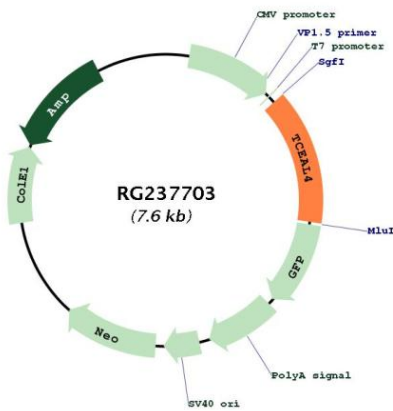
RefSeq: [NM_001300901.1](#), [NP_001287830.1](#)

RefSeq Size: 1740 bp

RefSeq ORF: 1077 bp
 Locus ID: 79921
 UniProt ID: [Q96EI5](#)
 Cytogenetics: Xq22.2
 MW: 41 kDa

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 RG237703