

Product datasheet for RC237703

TCEAL4 (NM_001300901) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCEAL4 (NM_001300901) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TCEAL4
Synonyms:	NPD017; WEX7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237703 representing NM_001300901 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCAGCTGGAGGCCAGGCGCCGAGCTCAGCCTGTAATCCCAGCGTTTTGGGAGGCCAGGGGCCTCC
CAAATTCAAAAGGAAGAGACAAAGTCCACATCTGTCAATGCGAAGAATGGAAGGTCACATATCATATGT
GGAGCGGGACATAACAACCTCGAAATTAATCTCTTCCCAGGTCAGTGTGCGGGCCTCCACGCTGCC
AGCGGAACACTGGAATGGCGGAAGGGAAACGGGTACGGCAGGGGAAAGGCTGGGGTGGGTCCGGTCCG
AGTCGAGGGAAGCTGGCCGAGTGTGGACAGAGATGGCGGTCTGCGCGTCTGTTGTTCCCAGCGCTCTGC
GAAGCCTGAAAAGGAGGACAACTGTCCAGAATCCCCGAGGTCCTGAAAGACAGGAAAAGGAGGGGA
AATCTCGACATGGAAAACTCTACAGTAAAAATGAAGGAATGGCTTCAAACCAAGGAAAGATGGAAAATG
AAGAACAGCCACAAGACGAGAGAAAGCCAGAAGTAACTTGTACTCTGGAAGACAAGAAAGTTAGAAAAACGA
GGGAAAGACAGAAAACAAGGGCAAACAGGAGATGAGGAAATGTTAAAGGATAAAGGAAAGCCAGAGAGT
GAGGGAGAGGCAAAAAGAAAGTCAAGAGGGGAGGAGTCAAGATGGAGGGAGGATCAGAGAGAGAGAGAG
AGGAAAACAGAGATAGAGGAAAGCCAGAGAGTGAAGGAGAGCCAGGGAGTGAACAAGGGCTGCAGG
AAAGCGCCAGCTGAGGATGATGTACCCAGGAAAGCCAAAAGAAAACTAATAAGGGGCTGGCTCATTAC
CTCAAGGAGTATAAAGAGGCCATACATGATATGAATTTAGCAATGAGGACATGATAAGAGAATTTGACA
ATATGGCTAAGGTGCAGGATGAGAAGAGAAAAGCAAACAGAAATGGGGCGTTTTTGTGGATGCAAAG
AAATTTACAGGACCCCTTCTACCCTAGAGGTCCAAGGGAATTCAGGGGTGGCTGCAGGGCCCCACGAAGG
GACATTGAAGACATTCTTATGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237703 representing NM_001300901
 Red=Cloning site Green=Tags(s)

MPAGGQAPQLTPVIPAFWEARGLPNSKGRDKVHICQCEEWKGHISYVERDITTSEIKSLPQVSVRAFHAA
 SGTLEWRKNGYGRGKGWGWRVESREAGPSVDRDGLRVCCSQRSAPKEKEEQPVQNPVRSVKDRKRRG
 NLDMEKLYSENEGMA SNQGMENEEQPQDERKPEVTCTLEDKLENEGKTENKGTGDEMLKDKGKPKES
 EGEAKEGKSEREGESEMEGGSEREGKPEIEGKPESEGEPEGSETRAAGKRP AEDDVPRKAKRKTNKGLAHY
 LKEYKEATHDMNFSNEDMIREFDNMAKVQDEKRSKQKLGAFLLWQRLQDPFYPRGPREFRGGCRAPRR
 DIEDIPYV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

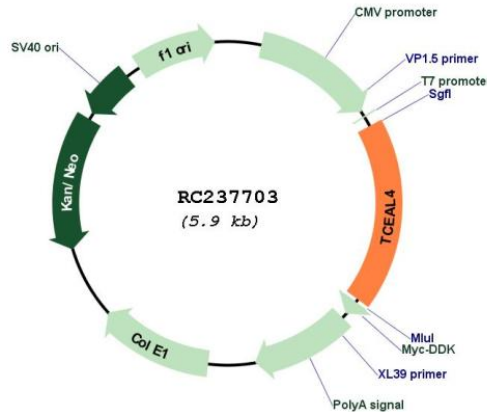
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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).
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_001300901.1 , NP_001287830.1
RefSeq Size:	1740 bp
RefSeq ORF:	1077 bp
Locus ID:	79921
UniProt ID:	Q96E15
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]