

## Product datasheet for **RC215492**

### TEF1 (TEAD1) (NM\_021961) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TEF1 (TEAD1) (NM_021961) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TEF1
Synonyms:	AA; NTEF-1; REF1; TCF-13; TCF13; TEAD-1; TEF-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC215492 representing NM\_021961  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATTGAGCCAGCAGCTGGAGCGCAGTGAGAGCCCTGCCGAAAACATGGAAGGATGAGTACTCTGCAG  
 ATAAGCCAATTGACAATGATGCAGAAGGGTCTGGAGCCCCGACATCGAGCAAAGCTTTCAGGAGGCCCT  
 GGCTATCTATCCACCATGTGGGAGGAGGAAAATCATCTTATCAGACGAAGGCAAAAATGTATGGTAGGAAT  
 GAATTGATAGCCAGATACATCAAACCTCAGGACAGGCAAGACGAGGACCAGAAAACAGGTGTCTAGTCACA  
 TTCAGGTTCTTGCCAGAAGGAAATCTCGTGATTTTCATTCCAAGCTAAAGGATCAGACTGCAAAGGATAA  
 GGCCCTGCAGCACATGGCGCCATGTCTCAGCCAGATCGTCTCGGCCACTGCCATTCATAACAAGCTG  
 GGGCTGCCTGGGATCCACGCCGACCTCCCAGGGGCGCGGGTTCTGGCCGGAATGATTCAAACAG  
 GGCAGCCAGGATCCTACAAGACGTCAAGCCTTTTGTGCAGCAGGCCTACCCATCCAGCCAGCGGTAC  
 AGCCCCATTCCAGGGTTTGTAGCCTGCATCGGCCAGCTCCCTCAGTCCCTGCCTGGCAAGGTCGCTCC  
 ATTTGGCACAACCAAGCTTCGCCTGGTGGAAATTTTCAGCTTTTCTCGAGCAGCAGCGAGACCAGACTCGT  
 ACAACAAACACCTCTTCGTGCACATTGGGCATGCCAACCATTTTACAGTGACCCATTGCTTGAATCAGT  
 GGACATTCGTGAGATTTATGACAAATTTCTGAAAAGAAAGTGGCTTAAAGGAAGTGTGAAAGGGC  
 CCTCAAATGCCTTCTTCCTCGTAAAAATCTGGGCTGATTTAAACTGCAATTTCAAGATGATGCTGGGG  
 CTTTTTATGGTGTAAACAGTCAGTACGAGAGTTCTGAAAATATGACAGTCACCTGTTCCACCAAAGTTG  
 CTCCTTTGGGAAGCAAGTAGTAGAAAAGTAGAGACGGAGTATGCAAGTTTGGAGATGGCCGATTTGTA  
 TACCGAATAAACCGCTCCCCAATGTGTGAATATATGATCAACTTCATCCACAAGCTCAAACACTTACCAG  
 AGAAATATATGATGAACAGTGTGTTTGGAAAACCTCACAAATTTTATGGTGGTAACAAACAGGATACACA  
 AGAAACTTACTCTGCATGGCCTGTGTGTTGAAGTTTCAAATAGTGAACACGGAGCACAAACATCATATT  
 TACAGGCTTGTAAAGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC215492 representing NM\_021961  
 Red=Cloning site Green=Tags(s)

I EPSSWSGSESPAENMERMSSDADKPIDNDAEGVWSPDIEQSFQEALAIYPPCGRRKIILSDEGKMYGRN  
 ELIARYIKLRTGKTRTRKQVSSHQVLARRKSRDFHSLKLDQAKDKALQHMAAMSSAQIVSATAIHNKL  
 GLPGIPRPTFPGAPGFWPGMIQTGQPGSSQDVKPFVQQAYPIQPAVTAPIPGFEPASAPSPVPAWQGRS  
 IGTTKLRVLEFSAFLEQQRDPDSYNKHLFVHIGHANHSYSDPLESVDIRQIYDKFPEKKGGLKELFGKG  
 PQNAFFLVKFWADLNCNIQDDAGAFYGVTSQYESSNMTVTCSTKVCFSFGKQVVEKVEYARFENGRFV  
 YRINRSPMCEYMINFIHKLKHLPEKYMNSVLENFTILLVVTNRDTQETLLCMACVFEVSNSEHGAQHII  
 YRLVKD

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8115\\_d02.zip](https://cdn.origene.com/chromatograms/mk8115_d02.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_021961

**ORF Size:** 1278 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\\_021961.6](#)

**RefSeq Size:** 9433 bp

**RefSeq ORF:** 1281 bp

**Locus ID:** 7003

**UniProt ID:** [P28347](#)

**Cytogenetics:** 11p15.3

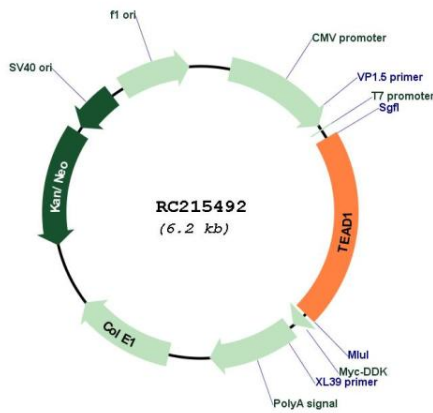
**Domains:** TEA

**Protein Families:** Transcription Factors

**MW:** 47.9 kDa

**Gene Summary:** This gene encodes a ubiquitous transcriptional enhancer factor that is a member of the TEA/ATTS domain family. This protein directs the transactivation of a wide variety of genes and, in placental cells, also acts as a transcriptional repressor. Mutations in this gene cause Sveinsson's chorioretinal atrophy. Additional transcript variants have been described but their full-length natures have not been experimentally verified. [provided by RefSeq, May 2010]

**Product images:**



Circular map for RC215492