

## Product datasheet for **SC310426**

### TEF1 (TEAD1) (NM\_021961) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TEF1 (TEAD1) (NM_021961) Human Untagged Clone
Tag:	Tag Free
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)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_021961, the custom clone sequence may differ by one or more nucleotides

```
ATTGAGCCAGCAGCTGGAGCGGAGTGGAGAGCCCTGCCGAAAACATGGAAGGATGAGTACTCTGCAG
ATAAGCCAATTGACAATGATGCAGAAGGGGTCTGGAGCCCGACATCGAGCAAAGCTTTCAGGAGCCCT
GGCTATCTATCCACCATGTGGGAGGAGGAAAATCATCTTATCAGACGAAGGCAAATGTATGGTAGGAAT
GAATTGATAGCCAGATACATCAAACCTCAGGACAGGCAAGACGAGGACCAGAAAACAGGTGTCTAGTCACA
TTCAGGTTCTTGCCAGAAGGAAATCTCGTGATTTTCATTCCAAGCTAAAGGATCAGACTGCAAAGGATAA
GGCCCTGCAGCACATGGCGGCCATGTCTCAGCCAGATCGTCTCGGCCACTGCCATTATAACAAGCTG
GGGCTGCCTGGGATTCACGCCCCGACCTCCCAGGGGCGCGGGGTTCTGGCCGGAATGATTCAAACAG
GGCAGCCAGGATCCTCACAGACGTCAAGCCTTTTGTGCAGCAGGCCACCCCATCCAGCCAGCGGTCCAC
AGCCCCATTCCAGGTTTGAGCCTGCATCGGCCCCAGCTCCCTCAGTCCCTGCCTGGCAAGGTCGCTCC
ATTGGCACAACCAAGCTTCGCCTGGTGGAAATTTTCAGCTTTTCTCGAGCAGCAGCGAGACCAGACTCGT
ACAACAAACACCTCTTCGTGCACATTGGGCATGCCAACCATTCTACAGTGACCCATTGCTTGAATCAGT
GGACATTCGTGAGATTTATGACAAATTTCTGAAAAGAAAGGTGGCTTAAAGGAAGTGTGGAAAGGGC
CCTCAAATGCCTTCTCCTCGTAAAATTTCTGGGCTGATTTAACTGCAATATTCAGATGATGCTGGGG
CTTTTTATGGTGTAAACAGTCACTACGAGAGTTCTGAAAATATGACAGTCACTGTTCCACCAAAGTTTG
CTCCTTTGGGAAGCAAGTAGTAGAAAAGTAGAGACGGAGTATGCAAGGTTTGAGAAATGGCCGATTTGTA
TACCGAATAAACCGCTCCCAATGTGTGAATATGATCAACTTATCCACAAGCTCAAACACTTACCAG
AGAAATATATGATGAACAGTGTGTTGGAAAACCTCACAATTTTATTGGTGGTAACAAACAGGATACACA
AGAAACTACTCTGCATGGCCTGTGTGTTGAAGTTTCAAATAGTGAACACGGAGCACAAACATCATATT
TACAGGCTTGTAAGGACTGA
```

Restriction Sites: SgfI-MluI



[View online »](#)

<b>ACCN:</b>	NM_021961
<b>Insert Size:</b>	1281 bp
<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_021961.5</a> , <a href="#">NP_068780.2</a>
<b>RefSeq Size:</b>	9433 bp
<b>RefSeq ORF:</b>	1281 bp
<b>Locus ID:</b>	7003
<b>UniProt ID:</b>	<a href="#">P28347</a>
<b>Cytogenetics:</b>	11p15.3
<b>Domains:</b>	TEA
<b>Protein Families:</b>	Transcription Factors

**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]