

## Product datasheet for **MR217585**

### **Tead3 (NM\_001098226) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tead3 (NM_001098226) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tead3
Synonyms:	DTEF-1; ETFR-; ETFR-1; Tcf13r; Tcf13r2; TEAD-; TEAD-3; TEF-5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR217585 representing NM\_001098226  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCAACTCGGAGCCTCGCGCGCAGAGGCTCAGGCCATCCAGGGGGCTCAGGCCAGAGCCAAAGCAA  
 CCAGCACAAATAGCGTCCAACAGCTGGACCGCCAACAGCAGCCCGGGGAGGCCCGGAAGATGGGTCCGA  
 AGGCCTGGACAAGGGTCTGGACAACGATGCGGAGGGAGTGTGGAGCCCGACATCGAGCAGAGCTTTCAG  
 GAGGCCCTGGCCATCTACCCGCCTTGGCGACGCGCAAGATCATCCTGTCAGATGAGGGCAAGATGTACG  
 GTCGAAATGAGCTGATTGCCCGCTACATCAAGCTGAGGACTGGAAAAACCAGGACAAGAAAAAGGTGTC  
 CAGCCACATACAGGTTCTAGCTCGGAAGAAGGTTCCGGAATACCAGGTTGGCATTAAAGGCTATGAACCTG  
 GACCAAGTCTCCAAGGACAAAGCTCTCCAGAGCATGGCATCCATGTCGTCTGCCCAAATCGTCTCTGCCA  
 GCGTTCTACAGAACAAGTTCAGCCCGCCCTCCCCTCTACCCAGGCTGTCTTCTCCTCCTCTCAAGGTT  
 CTGGAGCAGCCCCCTCTGCTAGGACAACAGCCTGGACCTTCTCAGGACATCAAGCCCTTGGCCAGCCT  
 GCCTACCCCATCCAGCCTCCCTTGCCACCAGCGCTCAACAGTTATGAGTCCCTCGCCCCGCTGCCCCAG  
 CCGCTGCCTCAGCCACCGCCTCTGCGCCTGCATGGCAGGACCGCACCATCGCCTCCTCCCGGCTACGCT  
 CCTGGAGTATTCTGCCTTCATGGAGGTGCAACGGGACCCTGACACGTACAGCAAACACCTGTTTGTACAC  
 ATCGGCCAGACAAACCCTGCCTTCTCAGACCCACCCTGGAGGCAGTGGATGTACGACAGATCTACGACA  
 AGTTCCCCGAGAAGAAGGGGGGCTGAAGGAACCTACGAGAAGGGGCCCGCAACGCTTCTTCTCCTTGT  
 CAAGTTCTGGGCTGACCTCAACAGCACAAATCCAGGAAGCCCTGGGGCCTTCTACGGGTGAGCTCGCAG  
 TACAGCTCAGCCGACAGCATGACCATCAGCGTCTCCACCAAGGTCTGCTCCTCGGCAAGCAGGTGGTAG  
 AGAAGGTGGAGACCGAGTACGCCCGCTGGAGAACGGCCGCTTCTGTGTACCGCATCCACCGCTCACCCAT  
 GTGCGAGTACATGATCAATTTTCATCCACAACTGAAGCATCTGCCCGAGAAGTACATGATGAACAGTGTG  
 CTGGAGAACTTACCATCCTGCAGGTGGTCAAGTCTGGGACTCGCAGGAGACCCTGCTGGTATTGCTT  
 TTGCTTTGAAGTCTCCACCAGCGAGCATGGGGCGCAGCACACGCTTACAAGCTTGCAAGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR217585 representing NM\_001098226  
 Red=Cloning site Green=Tags(s)

MLQGGLARRGSGHPGSGPEPKATSTIASNSWTANSSPGEAREDGSEGLDKGLDNDNAEGVWSPDIEQSFO  
 EALAIYPPCGRRKIILSDEGKMYGRNELIARYIKLRTGKTRTRKQVSSHIQVLARKKVREYQVGIKAMNL  
 DQVSKDKALQSMASMSAQIVSASVLRQNFSPSPPLPQAVFSSSRFWSSPPLLGQQPGPSQDIKPFAPQ  
 AYPIQPPLPPALNSYESLAPLPPAAASATASAPAWQDRTIASSRLRLLLEYSAFMEVQRDPDTYSKHLFVH  
 IGQTNPAFSDPPLEAVDVRQIYDKFPEKKGGLKELYEKGPPNAFFLVKFWADLNSTIQEGPFAFYGVSSQ  
 YSSADSMTISVSTKVCSFGKQVVEKVEYARLENGRFVYRIHRSPMCEYMINFIHKLKHLPEKYYMNSV  
 LENFTILQVVTSRDSQETLLVIAFVFEVSTSEHGAQHVVYKLVKD

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9038\\_h10.zip](https://cdn.origene.com/chromatograms/mm9038_h10.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001098226

**ORF Size:** 1395 bp

**OTI Disclaimer:** 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 [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

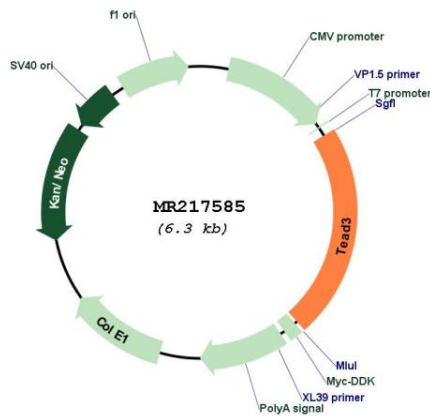
**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

- 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\\_001098226.3](#), [NP\\_001091696.2](#)  
**RefSeq Size:** 2448 bp  
**RefSeq ORF:** 1398 bp  
**Locus ID:** 21678  
**UniProt ID:** [P70210](#)  
**Cytogenetics:** 17 14.66 cM  
**MW:** 51.9 kDa

**Gene Summary:** This gene product is a member of the transcriptional enhancer factor (TEF) family of transcription factors, which contain the TEA/ATTS DNA-binding domain. It is predominantly expressed in the placenta and thought to play a role in placental gene regulation and development. Alternative splicing, and alternate use of an upstream AUG translation initiation codon, and an in-frame downstream non-AUG (AUA) codon, results in 2 isoforms. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for MR217585