

Product datasheet for **MC209510**

Tead4 (NM_011567) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tead4 (NM_011567) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tead4
Synonyms:	Etfr; ETFR-; ETFR-2; Etfr2; FR-19; Rtef; Rtef1; Tcf13r; Tcf13r1; TEAD-; TEAD-4; Tef; TEF-3; Tef3; Tefr; Tefr1; Tefr1a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC209510 representing NM_011567
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATTACCTCCAACGAGTGGAGCTCTCCGACTCCCCGAGGGGAGCAGCATCTCTGGGGCAGCCAGGCAC
 TGGACAAGCCATCGACAATGATGCAGAGGGTGTATGGAGCCCCGAAATTGAGCGAAGCTTCCAGGAGGC
 CCTGGCCATCTACCCACCTGCGGCCGCGCAAATTATCCTGACGGAGGAAGGCAAGATGTATGGTCGG
 AATGAGCTGATCGCACGCCATATCAAGCTCAGGACAGGGAAGACGCGCACAAGGAAGCAGGTCTCCAGCC
 ACATCCAGGTGCTTGCCCGTCGAAAAGCCGGGAGATCCAGGCCAACTCAAGGACCAGGCAGCTAAGAA
 CAAGGCCCTGCAGAGCATGGCTGCCATGTCGTCCGCACAGATCGTCTCGGCCACAGCCTTCCACAGTAAA
 ATGGCTCTTGCCCGGGCCCTGGCTACCGCAATCTCAGGGTTTGGCAAGGAGCTTTGCCAGGCCAAC
 CTGGAACATCCCACGATGTGAAACCTTTCTCTCAAACACCTACCCTGTCCAGCCTCCGCTGCCTCTGCC
 AGGCTTTGAGTCTCTGCAGGGCCACCCCTCACCTCCGACCGCTCGCTCCTCGTGGCAAGGCCGC
 AGCATAGCTAGCTCCAAGCTCTGGATGTTGGAGTTCTCGGCTTTCCTGGAGCGCCAGCAAGATCCCAGACA
 CATAACAACAAACCTGTTTGTGCACATCAGCCAGTCAAGCCCAAGCTACAGTGACCCCTACCTCGAAAC
 TGTGGACATCCGCCAAATCTATGACAAGTTCAGAGAGAAGAGGGAGGCCTCAAGGAGCTATTTGAACGG
 GGGCCCTCTAATGCCTTCTTCTGTGAAGTCTGGGCAGACCTCAATACCAACATCGATGACGAGGGCA
 GCGCCTTCTATGGGGTCTCCAGCCAGTACGAGAGCCCGGAGAACATGATTATCACCTGCTCTACGAAGGT
 CTGCTCATTTGGCAAGCAAGTGGTGGAGAAAGTTGAGACGGAGTATGCCCGCTATGAGAAATGGCCACTAT
 TTGTACCGCATCCACCGTCCCCTCTCTGTGAGTACATGATCAACTTTATCCACAAGCTGAAACACTTAC
 CCGAGAAGTACATGATGAACAGTGTGCTGGAGAACTTCACCATCCTGCAGGTGGTCACCAACCGAGACAC
 ACAGGAGACCTTGTGTATTGCATATGCTTCGAAGTTTCAGCCAGCGAGCATGGGGCTCAGCACCCAC
 ATCTACCGACTTGTGAAAGAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_011567

Insert Size: 1284 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_011567.2](#), [NP_035697.3](#)

RefSeq Size: 3076 bp

RefSeq ORF: 1284 bp

Locus ID: 21679

UniProt ID: [Q62296](#)

Cytogenetics: 6 62.92 cM

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 preferentially expressed in the skeletal muscle, and binds to the M-CAT regulatory element found in promoters of muscle-specific genes to direct their gene expression. This factor may play a role in the embryonic development of skeletal muscle. Alternatively spliced transcripts encoding distinct isoforms, which are translated through the use of a non-AUG (AUU) initiation codon, have been described for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) encodes the longer isoform (a, also known as ETFR-2a), and initiates translation from a non-AUG (AUU) codon.