

Product datasheet for **MR219507**

Tead4 (NM_001080979) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tead4 (NM_001080979) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tead4
Synonyms:	Etfr; ETFR-; ETFR-2; Etfr2; FR-19; Rtef; Rtef1; Tcf13r; Tcf13r1; TEAD-; TEAD-4; Tef; TEF-3; Tef3; Tefr; Tefr1; Tefr1a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR219507 representing NM_001080979
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATTACCTCCAACGAGTGGAGCTCTCCGACTCCCCGAGGGGAGCAGCATCTCTGGGGCAGCCAGGCAC
 TGGACAAGCCATCGACAATGATGCAGAGGGTGTATGGAGCCCCGAAATTGAGCGAAGCTTCCAGGAGGC
 CCTGGCCATCTACCCACCTGCGGCCGCGCAAATTATCCTGACGGAGGAAGGCAAGATGTATGGTCGG
 AATGAGCTGATCGCAGCCATATCAAGCTCAGGACAGGGAAGACGCGCACAAGGAAGCAGGTCTCCAGCC
 ACATCCAGGTGCTTGCCCGTCAAAAAGCCGGGAGATCCAGGCCAACTCAAGTTTTGGCAAGGAGCTTT
 GCCAGGCCAACCTGGAACATCCCACGATGTGAAACCTTTCTCTAAAACACCTACCCTGTCCAGCCTCCG
 CTGCTCTGCCAGGCTTTGAGTCTCTGCAGGGCCACCCCTCACCTCCGACCGCTCGCTCCTCCGT
 GGCAAGGCCGAGCATAGCTAGCTCCAAGCTCTGGATGTTGGAGTTCTCGGCTTTCTGGAGCGCCAGCA
 AGATCCCAGACACATAACAACACCTGTTTGTGCACATCAGCCAGTCAAGCCCAAGCTACAGTGACCCC
 TACCTCGAAACTGTGGACATCCGCCAAATCTATGACAAGTCCCAGAGAAGAAGGGAGGCCCTCAAGGAGC
 TATTTGAACGGGGCCCTCTAATGCCTTCTTCTGTGAAGTTCTGGGCAGACCTCAATACCAACATCGA
 TGACGAGGGCAGCGCCTTCTATGGGTCTCCAGCCAGTACGAGAGCCCGAGAACATGATTATCACCTGC
 TCTACGAAGGTCTGCTCATTGGCAAGCAAGTGGTGGAGAAAGTTGAGACGGAGTATGCCCGCTATGAGA
 ATGGCCACTATTTGTACCGCATCCACCGGTCCCCTCTCTGTGAGTACATGATCAACTTTATCCACAAGCT
 GAAACACTTACCCGAGAAGTACATGATGAACAGTGTGCTGGAGAACTTACCATCCTGCAGGTGGTCACC
 AACCGAGACACAGGAGACCTTGCTGTGATTGCATATGTCTTGAAGTTTCAGCCAGCGAGCATGGGG
 CTCAGCACCATCTACCGACTTGTGAAAGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR219507 representing NM_001080979
 Red=Cloning site Green=Tags(s)

ITSNEWSSPDSPEGSSISGGSQALDKPIDNDAEGVWSPEIERSFQEALAIYPPCGRRKIILTEEGKMYGR
 NELIARHIKLRTRKTRKQVSSHQVLARRKAREIQAKLKFWQALPGQPGTSHDVKPFQNTYVQPP
 LPLPGFESPAIPTSPSAPLAPPWQGRSIASSKLWMLFSAFLERQQDPDTYNKHLFVHISQSSPSYSDP
 YLETVDIRQIYDKFPEKKGLKELFERGPSNAFFLVKFWADLNTNIDDEGSAFYGVSSQYESPENMIITC
 STKVCSFGKQVVEKVETEYARYENGHYL YRIHRSPLCEYMINFIHKLKHLPEKYMMSVLENFTILQVVT
 NRDTQETLLCIAVVEVSEHGAQHIIYRLVKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001080979

ORF Size: 1152 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_001080979.1](#), [NP_001074448.2](#)

RefSeq Size: 2947 bp

RefSeq ORF: 1155 bp

Locus ID: 21679

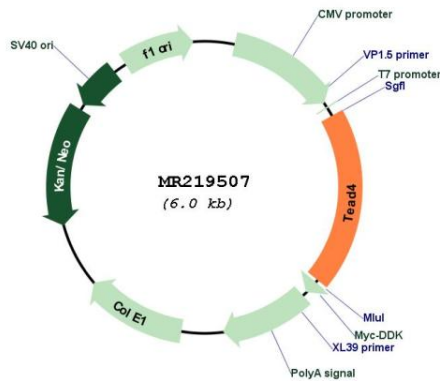
UniProt ID: [Q62296](#)

Cytogenetics: 6 62.92 cM

MW: 44.1 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 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]

Product images:



Circular map for MR219507