

Product datasheet for MC209511

Tead4 (NM_001080979) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tead4 (NM_001080979) 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
Fully Sequenced ORF:	>MC209511 representing NM_001080979 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATTACCTCCAACGAGTGGAGCTCTCCGACTCCCCGAGGGGAGCAGCATCTCTGGGGCAGCCAGGCAC
TGGACAAGCCATCGACAATGATGCAGAGGGTGTATGGAGCCCCGAAATTGAGCGAAGCTTCCAGGAGGC
CCTGGCCATCTACCCACCCTGCGGCCGCCGAAAATTATCCTGACGGAGGAAGGCAAGATGTATGGTCGG
AATGAGCTGATCGCACGCCATATCAAGCTCAGGACAGGGAAGACGCGCACAAGGAAGCAGGTCTCCAGCC
ACATCCAGGTGCTTGCCCGTCAAAAAGCCGGGAGATCCAGGCCAACTCAAGTTTTGGCAAGGAGCTTT
GCCAGGCCAACCTGGAACATCCCACGATGTGAAACCTTTCTCTCAAACACCTACCCTGTCCAGCCTCCG
CTGCCTCTGCCAGGCTTTGAGTCTCTGCAGGGCCACCCCTCACCTCCGACCGCTCGCTCCTCCGT
GGCAAGGCCCGCAGCATAGCTAGCTCCAAGCTCTGGATGTTGGAGTTCTCGGCTTTCTGGAGCGCCAGCA
AGATCCCGACACATAACAACAACACCTGTTTGTGCACATCAGCCAGTCAAGCCCAAGCTACAGTGACCCC
TACCTCGAAACTGTGGACATCCGCCAAATCTATGACAAGTTCCAGAGAAGAAGGGAGGCCCTCAAGGAGC
TATTTGAACGGGGCCCTCTAATGCCTTCTTCTTGTGAAGTTCTGGGCAGACCTCAATACCAACATCGA
TGACGAGGGCAGCGCCTTCTATGGGTCTCCAGCCAGTACGAGAGCCCGGAGAACATGATTATCACCTGC
TCTACGAAGTCTGCTCATTGGCAAGCAAGTGGTGGAGAAAGTTGAGACGGAGTATGCCGCTATGAGA
ATGGCCACTATTTGTACCGCATCCACCGTCCCCTCTCTGTGAGTACATGATCAACTTTATCCACAAGCT
GAAACACTTACCCGAGAAGTACATGATGAACAGTGTGCTGGAGAAGTCCACCATCTGCAGGTGGTCAAC
AACCGAGACACAGGAGACCTTGTGTATTGCATATGCTTTCGAAGTTTCAGCCAGCGAGCATGGGG
CTCAGCACCATCTACCGACTTGTGAAAGAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001080979
Insert Size:	1155 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:	<ol style="list-style-type: none">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
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) is missing an in-frame coding exon compared to transcript variant 1, resulting in an isoform (b, also known as ETEFR-2b) that lacks an internal segment, compared to isoform a. It also initiates translation from a non-AUG (AUU) codon.</p>