

Product datasheet for **RC201978**

TEAD4 (NM_201443) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TEAD4 (NM_201443) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	TEAD4
Synonyms:	EFTR-2; hrTEF-1B; RTEF1; TCF13L1; TEF-3; TEF3; TEFR-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC201978 representing NM_201443
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

TTGGAGGGCACGGCCGGCACCATTACCTCCAACGAGTGGAGCTCTCCACCTCCCCTGAGGGGAGCACCG
 CCTCTGGGGCAGTCAGGCACTGGACAAGCCATCGACAATGACGCAGAGGGCGTGTGGAGCCCGGATAT
 TGAGCAGAGTTTCCAGGAGGCCCTCGCCATCTACCCGCCCTGTGGCAGGCGCAAAATCATCTGTGGAC
 GAGGGCAAGATGTATGGTCGGAACGAGCTGATTGCCCGCTACATCAAGCTCCGGACAGGGAAGACCCGCA
 CCAGGAAGCAGGTCTCCAGCCACATCCAGGTGCTGGCTCGTAAAGCTCGCGAGATCCAGGCCAAGCT
 AAAGGACCAGGCAGCTAAGGACAAGGCCCTGCAGAGCATGGTGCATGTCGTCTGCACAGATCATCTCC
 GCCACGGCCTTCCACAGTAGCATGGCCCTCGCCGGGGCCCGGCCAGCAGTCTCAGGTTTTTGGC
 AAGGAGCTTTGCCAGGCCAAGCCGGAACGTCCCATGATGTGAAGCCTTCTCTCAGCAAACCTATGCTGT
 CCAGCCTCGCTGCTCTGCCAGGGTTGAGTCTCTGCAGGGCCCGCCCATCGCCCTCTGCGCCCGCG
 GCACCCCATGGCAGGGCCGAGCGTGGCCAGCTCCAAGCTCTGGATGTTGGAGTTCTCTGCCTTCTG
 AGCAGCAGCAGGACCCGGACACGTACAACAAGCACCTGTTCTGTGCACATTGGCCAGTCCAGCCCAAGCTA
 CAGCGACCCCTACCTCGAAGCCGTGGACATCCGCCAAATCTATGACAAATTTCCGGAGAAAAAGGTGGA
 CTCAAGGATCTCTTGAACGGGGACCCTCCAATGCCTTTTTTCTTGTGAAGTTCTGGGCAGACCTCAACA
 CCAACATCGAGGATGAAGGCAGCTCCTTCTATGGGGTCTCCAGCCAGTATGAGAGCCCGGAGAACATGAT
 CATCACCTGCTCCACGAAGGTCTGCTCTTTCGGCAAGCAGGTGGTGGAGAAAGTTGAGACAGAGTATGCT
 CGCTATGAGAATGGACACTACTTACCAGCATCCACCGGTCCCGCTCTGTGAGTACATGATCAACTTCA
 TCCACAAGCTCAAGCACCTCCCTGAGAAGTACATGATGAACAGCGTCTGGAGAACTTACCATCCTGCA
 GGTGGTCAACCAACAGAGACACACAGGAGACCTTGTGTGATTGCCTATGTCTTTGAGGTGCAGCCAGT
 GAGCACGGGGCTCAGACCACATCTACAGGCTGGTGAAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC201978 representing NM_201443
 Red=Cloning site Green=Tags(s)

LEGTAGTITSNEWSPTSPEGSTASGGSQALDKPIDNDAEGVWSPDIEQSFQEALAIYPPCGRRKIILSD
 EGKMYGRNELIARYIKLRTGKTRTRKQVSSHIQVLARRKAREIQAKLKDQAAKDKALQSMAMSSAQIIS
 ATAFHSSMALARGPGRPAVSGFWQALPGQAGTSHDVKPFSSQTYAVQPPLPLPGFESPAGPAPSPSAPP
 APPWQGRSVASSKLWMLFSAFLEQQQDPDTYNKHLFVHIGQSSPSYSDPYLEAVDIRQIYDKFPEKKG
 LKDLFERGPNFAFLVKFWADLNTNIEDEGSSFYGVSSQYESPENMIITCSTKVCFSFGKQVVEKVEYEA
 RYENGHSYRIHRSPLCEYMINFIHKLKHLPEKYMNSVLENFTILQVVTNRDQETLLCIAVYFEVSAS
 EHGAQHIIYRLVKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_201443

ORF Size: 1305 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_201443.1](#), [NM_201443.2](#), [NP_958851.1](#)
RefSeq Size: 1739 bp

RefSeq ORF: 918 bp

Locus ID: 7004

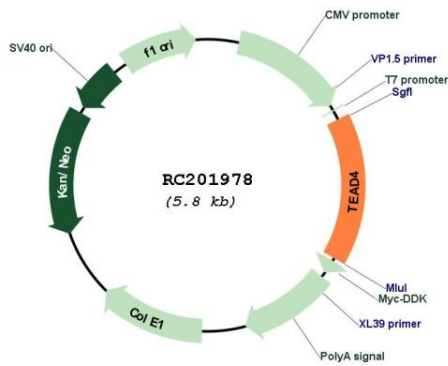
UniProt ID: [Q15561](#)
Cytogenetics: 12p13.33

Protein Families: Transcription Factors

MW: 48.3 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. Alternatively spliced transcripts encoding distinct isoforms, some of which are translated through the use of a non-AUG (UUG) initiation codon, have been described for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC201978