

Product datasheet for **RG201978**

TEAD4 (NM_201443) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TEAD4 (NM_201443) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	TEAD4
Synonyms:	EFTR-2; hrTEF-1B; RTEF1; TCF13L1; TEF-3; TEF3; TEFR-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201978 representing NM_201443 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

TTGGAGGGCAGGCCGGCACCATTACCTCCAACGAGTGGAGTCTCCACCTCCCCTGAGGGGAGCACCG
CCTCTGGGGCAGTCAGGCACTGGACAAGCCATCGACAATGACGCAGAGGGCGTGTGGAGCCGGATAT
TGAGCAGAGTTTCCAGGAGGCCCTCGCCATCTACCCGCCCTGTGGCAGGGCGAAAATCATCTGTCCGAC
GAGGGCAAGATGTATGGTCGGAACGAGCTGATTGCCCGCTACATCAAGCTCCGGACAGGGAAGACCCGCA
CCAGGAAGCAGGTCTCCAGCCACATCCAGGTGCTGGCTCGTCCGAAAGCTCCGAGATCCAGGCCAAGCT
AAAGGACCAGGCAGCTAAGGACAAGGCCCTGCAGAGCATGGCTGCCATGTCGTCTGCACAGATCATCTCC
GCCACGGCCTTCCACAGTAGCATGGCCCTCGCCCGGGGCCCGGCCAGCAGTCTCAGGGTTTTGGC
AAGGAGCTTTGCCAGGCCAAGCCGGAACGTCCCATGATGTGAAGCCTTTCTCTCAGCAAACCTATGCTGT
CCAGCCTCCGCTGCCTCTGCCAGGGTTTGGTCTCCTGCAGGGCCCGCCCATCGCCCTCTGCGCCCCCG
GCACCCCATGGCAGGGCCGACGCTGGCCAGCTCCAAGCTCTGGATGTTGGAGTTCTCTGCCTTCTCTGG
AGCAGCAGCAGGACCCGGACACGTACAACAAGCACCTGTTCTGTCACATTGGCCAGTCCAGCCAAAGCTA
CAGCGACCCCTACCTCGAAGCCGTGGACATCCGCCAAATCTATGACAAATCCCGGAGAAAAAGGGTGA
CTCAAGGATCTCTTGAACGGGACCCCAATGCCTTTTTTCTTGTGAAGTTCTGGGCAGACCTCAACA
CCAACATCGAGGATGAAGGCAGCTCCTTCTATGGGGTCTCCAGCCAGTATGAGAGCCCGAGAACATGAT
CATCACCTGCTCCACGAAGTCTGCTCTTTCGCAAGCAGGTGGTGGAGAAAGTTGAGACAGAGTATGCT
CGCTATGAGAATGGACACTACTTACCAGCATCCACCGTCCCGCTCTGTGAGTACATGATCAACTTCA
TCCACAAGCTCAAGCACCTCCCTGAGAAGTACATGATGAACAGCGTGTGGAGAACTTACCATCTGCA
GGTGGTCAACACAGAGACACAGGAGACCTTGTGTGCATTGCCTATGTCTTTGAGGTGTAGCCAGT
GAGCACGGGGCTCAGCACCATCTACAGGCTGGTGAAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG201978 representing NM_201443
 Red=Cloning site Green=Tags(s)

LEGTAGTITSNEWSPTSPEGSTASGGSQALDKPIDNDAEGVWSPDIEQSFQEALAIYPPCGRRKIILSD
 EGKMYGRNELIARYIKLRTGKTRTRKQVSSHIVLARRKAREIQAKLKDQAAKDKALQSMAMSSAQIIS
 ATAFHSSMALARGPGRP AVSGFWQ GALPGQAGTSHDVKPF SQQTYAVQPPLPLPGFESPAGPAPSPSAPP
 APPWQGRSVASSKLWMLEFSAFLEQQQDPDTYNKHLFVHIGQSSPSYSDPYLEAVDIRQIYDKFPEKKG
 LKDLFERGPSNAFFLVKFWADLNTNIEDEGSSFYGVSSQYVSPENMIITCSTKVC SF GKQVVEKVE TEYA
 RYENGHYSYRIHRSP LCEYMINFIHKLKHLPEKYMNSVLENFTILQVVTNRDTQETLLCIAVFEVSAS
 EHGAQHIIYRLVKE

TRTRPLE - GFP Tag - V

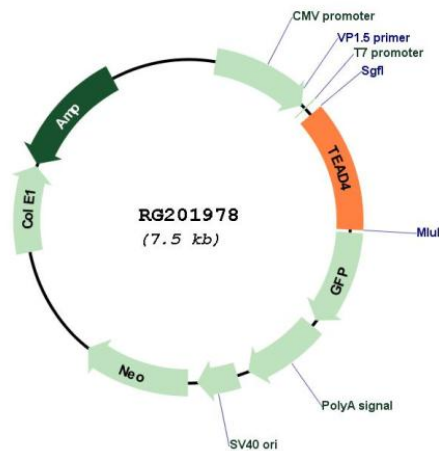
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



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:	<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_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
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]