

Product datasheet for **RG218693**

TEAD4 (NM_201441) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: TEAD4 (NM_201441) 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: >RG218693 representing NM_201441
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

TTGGAGGGCACGGCCGGCACCATTACCTCCAACGAGTGGAGTCTCCACCTCCCCTGAGGGGAGCACCG
 CCTCTGGGGCAGTCAGGCACTGGACAAGCCATCGACAATGACGCAGAGGGCGTGTGGAGCCGGATAT
 TGAGCAGAGTTTCCAGGAGGCCCTCGCCATCTACCCGCCCTGTGGCAGGCGCAAATCATCTGTCCGAC
 GAGGGCAAGATGTATGGTCGGAACGAGCTGATTGCCCGCTACATCAAGCTCCGGACAGGGAAGACCCGCA
 CCAGGAAGCAGGTCTCCAGCCACATCCAGGTGCTGGCTCGTCCGAAAGCTCGCGAGATCCAGGCCAAGCT
 AAAGTTTTGGCAAGGAGCTTTGCCAGGCCAAGCCGGAACGTCATGATGTGAAGCCTTTCTCTCAGCAA
 ACCTATGCTGTCCAGCCTCCGCTGCCTCTGCCAGGGTTTGAAGTCTCTGCAGGGCCCGCCCATCGCCCT
 CTGCGCCCCCGGCACCCCATGGCAGGGCCGACGCTGGCCAGCTCCAAGCTCTGGATGTTGGAGTTCTC
 TGCCTTCTGGAGCAGCAGCAGGACCCGGACACGTACAACAAGCACCTGTTCTGTGCACATTGGCCAGTCC
 AGCCCAAGCTACAGCGACCCCTACCTCGAAGCCGTGGACATCCGCCAAATCTATGACAAATCCCGGAGA
 AAAAGGGTGGACTCAAGGATCTCTTGAACGGGACCCCTCAATGCCTTTTTTCTGTGAAGTCTGGGC
 AGACCTCAACACCAACATCGAGGATGAAGGCAGCTCCTTCTATGGGGTCTCCAGCCAGTATGAGAGCCCC
 GAGAACATGATCATCACCTGCTCCACGAAGTCTGCTCTTTCGGCAAGCAGGTGGTGGAGAAAGTTGAGA
 CAGAGTATGCTCGCTATGAGAATGGACTACTCTTACCAGTCCACCGTCCCGCTCTGTGAGTACAT
 GATCAACTTCATCCACAAGCTCAAGCACCTCCCTGAGAAGTACATGATGAACAGCGTGTGGAGAACTTC
 ACCATCTGCAGGTGGTACCAACAGAGACACACAGGAGACCTTGTGTGCATTGCCTATGTCTTTGAGG
 TGTCCAGCAGTGGACACGGGGCTCAGCACCACATCTACAGGCTGGTGAAGAA

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG218693 representing NM_201441
 Red=Cloning site Green=Tags(s)

LEGTAGTITSNEWSPTSPEGSTASGGSQALDKPIDNDAEGVWSPDIEQSFQEALAIYPPCGRRKIILSD
 EGKMYGRNELIARYIKLRTGKTRTRKQVSSHIQVLARRKAREIQAKLKFQWQALPGQAGTSHDVKPFSQQ
 TYAVQPPLPLPGFESPAGPAPSPSAPPAPPWQGRSVASSKLWMLEFSAFLEQQQDPDTYNKHLFVHIGQS
 SPSYSDPYLEAVDIRQIYDKFPEKKGGGLKDLFERGSPNAFFLVKFWADLNTNIEDEGSSFYGVSSQYESP
 ENMIITCSTKVCSTKQVVEKQVETEARVYENGHYSYRIHRSPLCEYMINFIHKLKHLPEKYMMSVLENF
 TILQVVTNRDTQETLLCIAVVFVSASEHGAQHIIYRLVKE

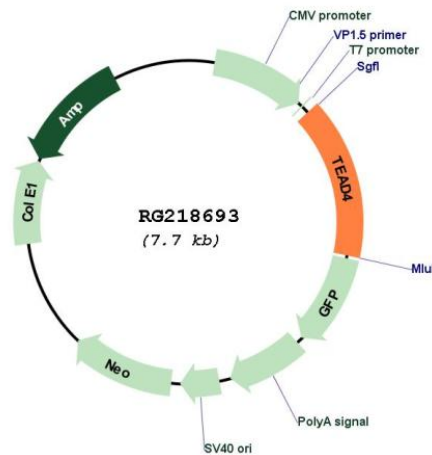
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_201441

ORF Size:	1173 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_201441.3
RefSeq Size:	1651 bp
RefSeq ORF:	1176 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]