

Product datasheet for **RG219686**

TEAD4 (NM_003213) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TEAD4 (NM_003213) 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:	>RG219686 representing NM_003213 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

TTGGAGGGCAGGCCGGCACCATTACCTCCAACGAGTGGAGCTCTCCACCTCCCCTGAGGGGAGCACCG
CCTCTGGGGCAGTCAGGCACTGGACAAGCCATCGACAATGACGCAGAGGGCGTGTGGAGCCGGATAT
TGAGCAGAGTTTCCAGGAGGCCCTCGCCATCTACCCGCCCTGTGGCAGGCGCAAATCATCTGTCCGAC
GAGGGCAAGATGTATGGTCGGAACGAGCTGATTGCCCGCTACATCAAGCTCCGGACAGGGAAGCCCGCA
CCAGGAAGCAGGTCTCCAGCCACATCCAGGTGCTGGCTCGTCCGAAAGCTCCGAGATCCAGGCCAAGCT
AAAGGACCAGGCAGCTAAGGACAAGGCCCTGCAGAGCATGGCTGCCATGTCTGTCACAGATCATCTCC
GCCACGGCCTTCCACAGTAGCATGGCCCTCGCCCGGGGCCCGGCCAGCAGTCTCAGGGTTTTGGC
AAGGAGCTTTGCCAGGCCAAGCCGGAACGTCCCATGATGTGAAGCCTTTCTCTCAGCAAACCTATGCTGT
CCAGCCTCCGCTGCCTCTGCCAGGGTTTGAGTCTCCTGCAGGGCCCGCCCATCGCCCTCTGCGCCCCG
GCACCCCATGGCAGGGCCGACGCTGACGCTCCAAGCTCTGGATGTTGGAGTTCTCTGCCTTCTCTGG
AGCAGCAGCAGGACCCGGACACGTACAACAAGCACCTGTTCTGTCACATTGGCCAGTCCAGCCAAAGCTA
CAGCGACCCCTACCTCGAAGCCGTGGACATCCGCCAAATCTATGACAAATCCCGGAGAAAAAGGGTGGA
CTCAAGGATCTCTCGAACGGGACCCTCCAATGCCTTTTTTCTTGTGAAGTTCTGGGCAGACCTCAACA
CCAACATCGAGGATGAAGGCAGCTCCTTCTATGGGGTCTCCAGCCAGTATGAGAGCCCGAGAACATGAT
CATCACCTGCTCCACGAAGTCTGCTCTTTCGCAAGCAGGTGGTGGAGAAAGTTGAGACAGAGTATGCT
CGCTATGAGAATGGACACTACTTACCAGCATCCACCGTCCCGCTCTGTGAGTACATGATCAACTTCA
TCCACAAGCTCAAGCACCTCCCTGAGAAGTACATGATGAACAGCGTCTGGAGAACTTACCATCTGCA
GGTGGTACCAACAGAGACACAGGAGACCTTGTGTGCATTGCCTATGTCTTTGAGGTGTAGCCAGT
GAGCACGGGGCTCAGCACCATCTACAGGCTGGTAAAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG219686 representing NM_003213
Red=Cloning site Green=Tags(s)

LEGTAGTITSNEWSPTSPEGSTASGGSQALDKPIDNDAEGVWSPDIEQSFQEALAIYPPCGRRKIILSD
 EGKMYGRNELIARYIKLRTGKTRTRKQVSSHIQVLARRKAREIQAKLKDQAAKDKALQSMAMSSAQIIS
 ATAFHSSMALARGPGRP AVSGFWQALPGQAGTSHDVKPF SQQTYAVQPPLPLPGFESPAGPAPSPSAPP
 APPWQGRSVASSKLWMLEFSAFLEQQQDPDTYNKHLFVHIGQSSPSYSDPYLEAVDIRQIYDKFPEKGGG
 LKDLFERGPSNAFFLVKFWADLNTNIEDEGSSFYGVSSQYESPENMIITCSTKVCSEFGKQVVEKVE TEYA
 RYENGHYSYRIHRSPLCEYMINFIHKLKHLPEKYMNSVLENFTILQVVTNRDTQETLLCIAVFEVSAS
 EHGAQHIIYRLVKE

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003213

ORF Size: 1302 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_003213.4](#)

RefSeq Size: 1780 bp

RefSeq ORF: 1305 bp

Locus ID: 7004

UniProt ID: [Q15561](#)

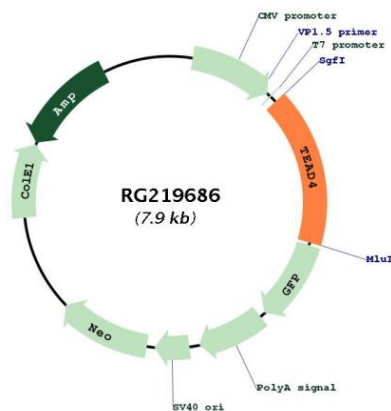
Cytogenetics: 12p13.33

Domains: TEA

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]

Product images:



Circular map for RG219686