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Product datasheet for RC219686

TEAD4 (NM_003213) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TEAD4 (NM_003213) 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)

View online »

ORF Nucleotide Sequence:

>RC219686 representing NM_003213
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGGCACGGCCGGCACCATTACCTCCAACGAGTGGAGCTCTCCCACCTCCCCTGAGGGGAGCACCG
CCTCTGGGGGCAGTCAGGCACTGGACAAGCCCATCGACAATGACGCAGAGGGCGTGTGGAGCCCGGATAT
TGAGCAGAGTTTCCAGGAGGCCCTCGCCATCTACCCGCCCTGTGGCAGGCGCAAAATCATCCTGTCGGAC
GAGGGCAAGATGTATGGTCGGAACGAGCTGATTGCCCGCTACATCAAGCTCCGGACAGGGAAGACCCGCA
CCAGGAAGCAGGTCTCCAGCCACATCCAGGTGCTGGCTCGTCGCAAAGCTCGCGAGATCCAGGCCAAGCT
AAAGGACCAGGCAGCTAAGGACAAGGCCCTGCAGAGCATGGCTGCCATGTCGTCTGCACAGATCATCTCC
GCCACGGCCTTCCACAGTAGCATGGCCCTCGCCCGGGGCCCCGGCCGCCCAGCAGTCTCAGGGTTTTGGC
AAGGAGCTTTGCCAGGCCAAGCCGGAACGTCCCATGATGTGAAGCCTTTCTCTCAGCAAACCTATGCTGT
CCAGCCTCCGCTGCCTCTGCCAGGGTTTGAGTCTCCTGCAGGGCCCGCCCCATCGCCCTCTGCGCCCCCG
GCACCCCCATGGCAGGGCCGCAGCGTGGCCAGCTCCAAGCTCTGGATGTTGGAGTTCTCTGCCTTCCTGG
AGCAGCAGCAGGACCCGGACACGTACAACAAGCACCTGTTCGTGCACATTGGCCAGTCCAGCCCAAGCTA
CAGCGACCCCTACCTCGAAGCCGTGGACATCCGCCAAATCTATGACAAATTCCCGGAGAAAAAGGGTGGA
CTCAAGGATCTCTTCGAACGGGGACCCTCCAATGCCTTTTTTCTTGTGAAGTTCTGGGCAGACCTCAACA
CCAACATCGAGGATGAAGGCAGCTCCTTCTATGGGGTCTCCAGCCAGTATGAGAGCCCCGAGAACATGAT
CATCACCTGCTCCACGAAGGTCTGCTCTTTCGGCAAGCAGGTGGTGGAGAAAGTTGAGACAGAGTATGCT
CGCTATGAGAATGGACACTACTCTTACCGCATCCACCGGTCCCCGCTCTGTGAGTACATGATCAACTTCA
TCCACAAGCTCAAGCACCTCCCTGAGAAGTACATGATGAACAGCGTGCTGGAGAACTTCACCATCCTGCA
GGTGGTCACCAACAGAGACACACAGGAGACCTTGCTGTGCATTGCCTATGTCTTTGAGGTGTCAGCCAGT
GAGCACGGGGCTCAGCACCACATCTACAGGCTGGTGAAAGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC219686 representing NM_003213
Red=Cloning site Green=Tags(s)

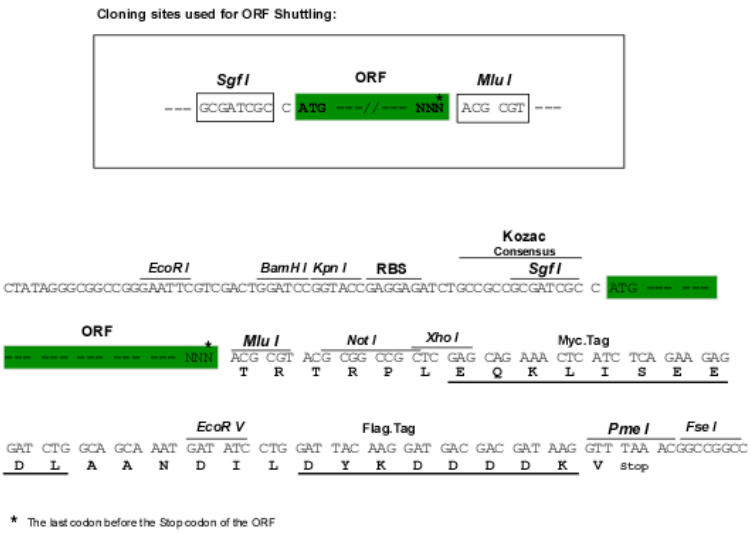
MEGTAGTITSNEWSSPTSPEGSTASGGSQALDKPIDNDAEGVWSPDIEQSFQEALAIYPPCGRRKIILSD
EGKMYGRNELIARYIKLRTGKTRTRKQVSSHIQVLARRKAREIQAKLKDQAAKDKALQSMAAMSSAQIIS
ATAFHSSMALARGPGRPAVSGFWQGALPGQAGTSHDVKPFSQQTYAVQPPLPLPGFESPAGPAPSPSAPP
APPWQGRSVASSKLWMLEFSAFLEQQQDPDTYNKHLFVHIGQSSPSYSDPYLEAVDIRQIYDKFPEKKGG
LKDLFERGPSNAFFLVKFWADLNTNIEDEGSSFYGVSSQYESPENMIITCSTKVCSFGKQVVEKVETEYA
RYENGHYSYRIHRSPLCEYMINFIHKLKHLPEKYMMNSVLENFTILQVVTNRDTQETLLCIAYVFEVSAS
EHGAQHHIYRLVKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mg3973_b01.zip

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: 1798 bp

RefSeq ORF: 1305 bp

Locus ID: 7004

UniProt ID: Q15561

Cytogenetics: 12p13.33

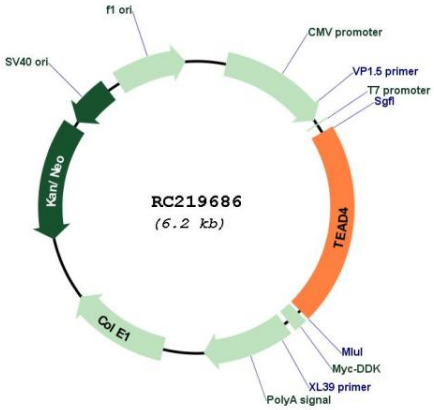
Domains: TEA

Protein Families: Transcription Factors

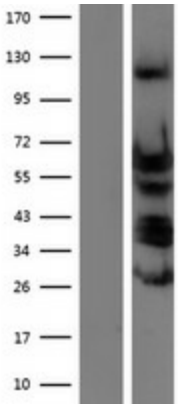
MW: 48.3 kDa

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 RC219686



Western blot validation of overexpression lysate (Cat# [LY418828]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219686 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).