

Product datasheet for **SC323802**

TEAD4 (NM_201443) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TEAD4 (NM_201443) Human Untagged Clone
Tag:	Tag Free
Symbol:	TEAD4
Synonyms:	EFTR-2; hRTEF-1B; RTEF1; TCF13L1; TEF-3; TEF3; TEFR-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_201443.1
 GTCCTCCTCGCACACTCGAGGCCAGGGGCGGGAGGGCCGCAGCTCCGGCGCCGCCCGCT
 CCCGCCAGAACGATCGCCCGCGCCGGAAGAGTTGGCGCTCGGGGCGGACTCCTTGGAAC
 GGCTTAGCGCACCCATCCCACCTTCCCGCACCTGGGACCGGTCCAACGAGCGCTCCTCC
 AAGCGGAGCCTTGAGGGGACGGCCGGCACCATTACCTCCAACGAGTGGAGCTCTCCAC
 CTCCCCTGAGGGGAGCACCGCCTCTGGGGCAGTCAGGCACTGGACAAGCCCATCGACAA
 TGACGCAGAGGGGTGTGGAGCCCGGATATTGAGCAGAGTTTCCAGGAGGCCCTCGCCAT
 CTACCCGCCCTGTGGCAGGCGCAAAATCATCCTGTGCGACGAGGGCAAGATGTATGGTCG
 GAACGAGCTGATTGCCCGCTACATCAAGCTCCGGACAGGGAAGACCCGCAACAGGAAGCA
 GGTCTCCAGCCACATCCAGGTGCTGGCTCGTCGCAAAGCTCGCGAGATCCAGGCCAAGCT
 AAAGGACCAGGCAGCTAAGGACAAGGCCCTGCAGAGCATGGTGCATGTCGTCTGCACA
 GATCATCTCCGCCAGGCCTTCCACAGTAGCATGGCCCTCGCCCGGGCCCCGGCCGCC
 AGCAGTCTCAGGGTTTTGGCAAGGAGCTTGGCAGGCCAAGCCGGAACGTCCCATGATGT
 GAAGCCTTCTCTCAGCAAACCTATGCTGTCCAGCCTCCGCTGCCTCTGCCAGGGTTTGA
 GTCTCCTGCAGGGCCCCGCCCATCGCCCTGTGCGCCCCGGCACCCCATGGCAGGGCCG
 CAGCGTGGCCAGCTCCAAGCTCTGGATGTTGGAGTTCTCTGCCTTCTGGAGCAGCAGCA
 GGACCCGGACACGTACAACAAGCACCTGTTCTGTGCACATTGGCCAGTCCAGCCCAAGCTA
 CAGCGACCCCTACCTCGAAGCCGTGGACATCCGCCAAATCTATGACAAATTCGCGGAGAA
 AAAGGGTGGACTCAAGGATCTCTTGAACGGGGACCCCTCAATGCCTTTTTTTCTGTGAA
 GTTCTGGGCAGACCTCAACACCAACATCGAGGATGAAGGCAGCTCCTTCTATGGGGTCTC
 CAGCCAGTATGAGAGCCCCGAGAACATGATCATCACTGCTCCACGAAGGTCTGCTCTTT
 CGGCAAGCAGGTGGTGGAGAAAGTTGAGACAGAGTATGCTCGCTATGAGAATGGACACTA
 CTCTTACCGCATCCACCGGTCCCCGCTCTGTGAGTACATGATCAACTTCATCCACAAGT
 CAAGCACCTCCCTGAGAAGTACATGATGAACAGGTGCTGGAGAACTTCACCATCCTGCA
 GGTGGTACCAACAGAGACACACAGGAGACCTTGTGTGCATTGCCTATGTCTTTGAGGT
 GTCAGCCAGTGAACAGGGGCTCAGCACCATCTACAGGCTGGTAAAGAATGAGAGAC
 TCGGGGAGCAGGGAGGGGGAAGAGACGTGTGTGCAGGAAACGGGGACGTGGGGAGGGGA
 CCTGCAGGGGAGCCCCCTGAAGTGCCAAGAGAGCTGAGAGGAGCAGTTGTGACTCTACC
 CAGGAACAAACTGTGCCTGAACCTGAGGTGCCCAACCCCAATAAACCCAAGATGCTGTG
 TATTTTCAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_201443

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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](#), [NP_958851.1](#)

RefSeq Size: 1525 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]

Transcript Variant: This variant (3) lacks the exon containing the non-AUG (UUG) translation initiation codon compared to variant 1. It uses an in-frame, downstream AUG, resulting in an isoform (3) with a shorter N-terminus compared to isoform 1.