

Product datasheet for **SC111037**

TEAD4 (NM_003213) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TEAD4 (NM_003213) 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:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_003213 edited
 GTCCTCTCGCACACTCGAGGCCAGGGGGCGGGAGGGCCGACGCTCCGGCGCCGCCCGCT
 CCCGCCAGAACGATCGCCCGGGCCGGAAGAGTTGGCGCTCGGGGCGGACTCCTTGGAAC
 GGCTTAGCGCACCCATCCCACCTTCCCGCACCTGGGACCGGTCCAACGAGCGCTCTCC
 AAGCGGAGCCTTGAGGGGACGGCCGGCACCATTACCTCCAACGAGTGGAGCTCTCCAC
 CTCCCCTGAGGGGAGCACCGCTCTGGGGCAGTCAGGCACTGGACAAGCCCATCGACAA
 TGACGCAGAGGGGTGTGGAGCCCGGATATTGAGCAGAGTTTCCAGGAGGCCCTCGCCAT
 CTACCCGCCCTGTGGCAGGCGCAAAATCATCCTGTGCGGACGAGGGCAAGATGTATGGTCG
 GAACGAGCTGATTGCCCGCTACATCAAGCTCCGGACAGGGAAGACCCCGCACCCAGGAAGCA
 GGTCTCCAGCCACATCCAGGTGCTGGCTCGTCGCAAAGCTCGCGAGATCCAGGCCAAGCT
 AAAGGACCAGGCAGCTAAGGACAAGGCCCTGCAGAGCATGGTGCATGTCGTCTGCACA
 GATCATCTCCGCCAGGCCTTCCACAGTAGCATGGCCCTCGCCGGGGCCCCGGCCGCC
 AGCAGTCTCAGGGTTTTGGCAAGGAGCTTGGCAGGCCAAGCCGGAACGTCCCATGATGT
 GAAGCCTTTCTCTCAGCAAACCTATGCTGTCCAGCCTCCGCTGCCTCTGCCAGGGTTTGA
 GTCTCCTGCAGGGCCCCGCCCATCGCCCTGTGCGCCCCGGCACCCCATGGCAGGGCCG
 CAGCGTGGCCAGCTCCAAGCTCTGGATGTTGGAGTTCTCTGCCTTCTGGAGCAGCAGCA
 GGACCCGGACACGTACAACAAGCACCTGTTCTGTGCACATTGGCCAGTCCAGCCCAAGCTA
 CAGCGACCCCTACCTCGAAGCCGTGGACATCCGCCAAATCTATGACAAATTTCCCGGAGAA
 AAAGGGTGGACTCAAGGATCTCTTGAACGGGGACCCCTCCAATGCCTTTTTTTCTTGTGAA
 GTTCTGGGCGAGCCTCAACACCAACATCGAGGATGAAGGCAGCTCCTTCTATGGGGTCTC
 CAGCCAGTATGAGAGCCCCGAGAACATGATCATCACTGCTCCACGAAGGTCTGCTCTTT
 CGGCAAGCAGGTGGTGGAGAAAGTTGAGACAGAGTATGCTCGCTATGAGAATGGACACTA
 CTCTTACCGCATCCACCGGTCCCCGCTCTGTGAGTACATGATCAACTTCATCCACAAGCT
 CAAGCACCTCCCTGAGAAGTACATGATGAACAGGCTGCTGGAGAACTTCACCATCCTGCA
 GGTGGTACCAACAGAGACACACAGGAGACCTTGTGTGCATTGCCTATGTCTTTGAGGT
 GTCAGCCAGTGAACAGGGGCTCAGCACCATCTACAGGCTGGTAAAGAATGAGAGAC
 TCGGGGAGCAGGGAGGGGGAAGAGACGTGTGTGCAGGAAACGGGGACGTGGGGAGGGGA
 CCTGCAGGGGAGCCCCCTGAAGTGCCAAGAGAGCTGAGAGGAGCAGTTGTGACTCTACC
 CAGGAACAAACTGTGCCTGAACCTGAGGTGCCCAACCCCAATAAACCCAAGATGCTGTG
 TATTTTCAAAAAAAAAAAAAA

- Restriction Sites:** NotI-NotI
- ACCN:** NM_003213
- Insert Size:** 1700 bp
- 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:** The ORF of this clone has been fully sequenced and found to be a perfect match to NM_003213.2.
- 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_003213.2](#), [NP_003204.2](#)

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]

Transcript Variant: This variant (1) encodes the longest isoform (1), and initiates translation from a non-AUG (UUG) codon.