

Product datasheet for **SC308372**

TCF12 (NM_207037) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCF12 (NM_207037) Human Untagged Clone
Tag:	Tag Free
Symbol:	TCF12
Synonyms:	bHLHb20; CRS3; HEB; HsT17266; HTF4; p64; TCF-12
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_207037 edited
TCCGCCTGAAGAGACCCACAAGTTCTATTCGGGGGGACCGACAGCCCGCCCGGGAGGAA
GGGGCGCCAGGCCGAAAGCCGCCTCCCCCTCCAGACCCGAGAGCTCGTGCGGGGCAA
AGTGAACCGAGCCGCTGGGCGGTGCAAGGGGAAGCCCAAGCCCGTTCTCCGGCCAAAGT
GAACTTTAATCGGGGTGGTTGGATGCGGAGACGGGGCGGACGACCTGCTAGAAGTGCC
GAAGATGAATCCCAGCAACAACGCATGGCCGCTATAGGGACCGACAAGGAGCTGAGCGA
CCTACTGGACTTCAGTGCATGTTTTCCACCTGTTAATAGTGGGAAAAGTACAGCAAC
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TTGGGGAACAAGTGGTCAACCAAGTCCTTCCTATGATTTCATCTAGAGTTTTACAGACAG
CCCTCATTACAGTGCATCTGAATGACAGTCGATTAGGAGCCCATGAAGGCTTGTCCCT
AACACCTTTCATGAACTCAAATCTGATGGGAAAACATCAGAGAGAGGCTCATTTTCCCT
GTACAGCAGAGATACTGGATTACAGGCTGTCAATCTAGTCTCCTGAGACAAGATCTGGG
GCTTGGGAGCCAGCACAGCTATCTTCTCAGGAAAACCTGGGACAGCATACTATTTCATT
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CATGCTCAATCCAGTAGTTATGGCAACCTTCATTCACATGACCGCTTGAGTTATCCTCC
ACACTCAGTTTTACCAACAGACATAAACACGAGTCTTCCACCAATGTCCAGCTTTTCATCG
CGGCAGTACCAGCAGTTACCTTACGTTGCTGCCTCACACACTCTCCCATCAATGGATC
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TGGAAAGGCTTTGGCATCTATTTATTCTCCTGACCATACCAGCAGTAGTTTTCCGTCAA
TCCATCAACACCAGTTGGATCACCTTCACCTCTCACAGGTACCAGTCAGTGGCCAAGACC
TGGAGGGCAAGCACCTTCATCCCAAGCTATGAAAACACTCCACTCCCTGAAAATCG
AGTTGAGCAGCAACTTCACGAGCATTGCAAGATGCAATGTCCTTCTTAAAGGATGCTG
TGAGCAGTCTCGAATGGAGGATCGTTTAGACAGACTGGATGATGCAATCCATGTGCTGCG



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GAACCATGCTGTGGGACCTTCCACCAGTTTGCCTGCTGGTCACAGTGATATACATAGTTT
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CCTTGTGCAAGCAGTCGATCAGCTTCAATGGTTGGAACATCGGGAAGACTCTGTGAG
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AGTGTGATAAATGAACACACCACTCTGAGGCTAATTACCTAATGGAATACAAGAGCAATG
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TGAGCCAGATTAGCATTAAACCACTTGTGAGTCCATCTAATACTGTTTCAATTAAGGC
ACTCTCTGTCTAATCCTTAGGAGTGTTTTTAAAAGACATAACTTTGAACTTCCAT
GAAACCTGTCTTCCACCACAACAACCTGGGAGAGAAAAACATGCTAAAGGAGGTATCTT
GGCTTAATAATTCCTTATAGCCAATATCAACAGTGGCAATCAGCACACAGAGGAAAGGAC
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TTTTTGGTTACTTTAATTTGCATATATTCTCCAGTTACATCGGACTCTATCTGTGGCCTT
GTTCTTCAATTCAGTGTAAATCAGCTAAACAGAAGTTGTTGCTTATGATGTGTGAGTGAA
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CTTTGCAGTATGCCAGAAGCTTCTTCCATAAAAATAGAAAGAAAAAACATTTGGCTTA
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CAGAAATTTACAATAGCATTAAAGACCATAGTAGGATTTCTAGCATACCGTGTAGTACCT
ATGGAGTATTGTAAGAGCTAATTTGTTGGAGATGAATTGCTTCTCATCTTGTCTCCAGTT
TCCATTGTTGGTTTATTGCAGATTTGTATCCTGTGTCAAATTCAGGATTTATTGATAAA
CCTTTTCAACCAGCAGCAAGAAGTTCAAATTTTTTTCTGTCACTGTAACAGAAAAACAA

TATGTATATAACATTTATGTAGCAATAAATGTGCCATCTTTTTTTTAAACACAGTAAAAAA
 AAAAAAAAAAAAAAAAAA

Restriction Sites:	NotI-NotI
ACCN:	NM_207037
Insert Size:	4700 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 open reading frame of this clone has been fully sequenced and found to be a perfect match to the protein associated with this reference, NM_207037.1.
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:	<u>NM_207037.1</u> , <u>NP_996920.1</u>
RefSeq Size:	4806 bp
RefSeq ORF:	2121 bp
Locus ID:	6938
UniProt ID:	<u>Q99081</u>
Cytogenetics:	15q21.3
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>The protein encoded by this gene is a member of the basic helix-loop-helix (bHLH) E-protein family that recognizes the consensus binding site (E-box) CANNTG. This encoded protein is expressed in many tissues, among them skeletal muscle, thymus, B- and T-cells, and may participate in regulating lineage-specific gene expression through the formation of heterodimers with other bHLH E-proteins. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1 and 2 encode the same isoform a.</p>