

Product datasheet for **SC308373**

TCF12 (NM_207038) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCF12 (NM_207038) 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)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_207038, the custom clone sequence may differ by one or more nucleotides

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ATGAATCCCCAGCAACAACGCATGGCCGCTATAGGGACCGACAAGGAGCTGAGCGACCTACTGGACTTCA
GTGGCATGTTTTCCACCTGTTAATAGTGGGAAAAGTAGACCAACTACACTGGGAAGCAGTCAATTCAG
TGATCAGGTATTGATGAAAGAGGAGGTACAACATCTTGGGGAACAAGTGGTCAACCAAGTCTTCTAT
GATTCATCTAGAGGTTTTACAGACAGCCCTCATTACAGTGATCACTTGAATGACAGTCGATTAGGAGCCC
ATGAAGGCTTGTCCTCAACACCTTTTCATGAACTCAAATCTGATGGGAAAAACATCAGAGAGAGGCTCATT
TTCCCTGTACAGCAGAGATACTGGATTACCAGGCTGTCAATCTAGTCTCCTGAGACAAGATCTGGGGCTT
GGGAGCCAGCACAGCTATCTTCTCAGGAAAACCTGGGACAGCATACTATTCTCTGCTACAAGTT
CCAGGAGGAGACCACTCCATGACTCTGCAGCGCTTGATCCCTGCAAGCAAAAAAAGTCAGAAAGGTGCC
TCCTGGTTTGCCTTCTTGTATATGCACCATCCCCAAATTCAGATGATTTCAACCGTGAATCTCCTAGT
TATCCATCTCCTAAGCCACCAACAGTATGTTGCTAGCACTTTCTTTATGCAAGATGGGACCCACAATT
CTTCTGACCTTTGGAGTTCATCAAATGGGATGAGCCAGCCTGGTTTTGGTGAATTCTGGGGACCTCCAC
TTCCCACATGTCTCAATCCAGTAGTTATGGCAACCTTCATTCACATGACCCTTGAGTTATCCTCCACAC
TCAGTTTCACCAACAGACATAAACACGAGTCTTCCACCAATGTCCAGCTTTCATCGCGGCAGTACCAGCA
GTTACCTTACGTTGCTGCCTCACACACTCCTCCCATCAATGGATCAGACAGCATTCTAGGAACCAGAGG
GAATGCTGCTGGAAGCTCACAGACAGGTGATGCACTTGGAAAGGCTTGGCATCTATTTATCTCCTGAC
CATACCAGCAGTAGTTTTCCGTCAAATCCATCAACACCAGTTGGATCACCTTCACCTCTCACAGGTACCA
GTCAGTGGCCAAGACCTGGAGGGCAAGCACCTTCATCCCCAAGCTATGAAAACACTCCACTCCCTGCA
GTCTCGAATGGAGGATCGTTTAGACAGACTGGATGATGCAATCCATGTGCTGCGGAACCATGCTGTGGGA
CCTTCCACCAGTTTGCCTGCTGGTCACAGTGATACATAGTTTTATTGGGACCATCCCATAATGCACCAA
TTGGAAGCCTCAATTCAACTATGGAGGATCAAGCCTTGTGCAAGCAGTCGATCAGCTTCAATGGTTGG
AACTCATCGGGAAGACTCTGTCAGTCTCAATGGCAATCATTAGTCTGTCTAGTACAGTCACTACTTCA
AGCACAGACCTGAACCATAAAACACAAGAAAATTATAGAGGTGGCTTGCAAAGTCAGTCTGGAAGTGTG
TTACAACAGAAATCAAGACTGAAAACAAAGAAAAGGATGAAAACCTTCATGAACCTCCTTCATCAGATGA
CATGAAGTCAGATGATGAATCCTCCAAAAAGATCAAGGTTTCATCTAGAGGCAGAACAAGCAGTACT
AATGAAGATGAGGATTTGAACCTGAACAGAAGATAGAAAGGGAGAAGGAGAGCGGATGGCTAACAAATG
CCAGAGAACGCTTACGCGTGCGGGATATTAATGAAGCATTCAAAGAGCTTGGCCGAATGTGTCAGCTTCA
CTTGAAGAGTGAAAAACCCAAACAAAACCTCTTATTCTTCATCAAGCCGTGGCAGTCATCCTTAGTCTA
GAACAGCAAGTCAGAGAGAGGAACCTTAACCCCAAGCAGCCTGCCTTAAGAGAAGGGGAAGAAAAAAG
TTTCTGCCGTATCGGCAGAGCCGCCAACCACTGCCAGGAACCCATCCTGGGCTTAGTGAACCTACCAA
CCCTATGGGTCATATGTAA
    
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Restriction Sites: Please inquire

ACCN: NM_207038

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:	<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:	NM_207038.1 , NP_996921.1
RefSeq Size:	4717 bp
RefSeq ORF:	2049 bp
Locus ID:	6938
UniProt ID:	Q99081
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 (4) differs in the coding region (compared to variant 1), resulting in a protein that maintains the reading frame but is shorter, compared to isoform a. Variants 3 and 4 encode the same isoform b.</p>