

Product datasheet for **SC331203**

TCF7L2 (NM_001198529) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TCF7L2 (NM_001198529) Human Untagged Clone
Tag: Tag Free
Symbol: TCF7L2
Synonyms: TCF-4; TCF4
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331203 representing NM_001198529.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCCGCAGCTGAACGGCGGTGGAGGGGATGACCTAGGCGCCAACGACGAACTGATTTTCCTTCAAAGAC
GAGGGCGAACAGGAGGAGAAGAGCTCCGAAAACCTCCGCGCAGAGAGGGATTTAGCTGATGTCAAATCG
TCTCTAGTCAATGAATCAGAAACGAATCAAACAGCTCCTCCGATTCCGAGGCGGAAAGACGGCCTCCG
CCTCGCTCCGAAAGTTTCCGAGACAAATCCCGGAAAGTTTGAAGAAGCGGCCAAGAGGCAAGATGGA
GGGCTCTTTAAGGGGCCACCGTATCCCGGCTACCCCTTCATCATGATCCCGACCTGACGAGCCCCTAC
CTCCCCAAGGATCGCTCTCGCCACCGCCGAACCTATCTCCAGATGAAATGGCCACTGCTTGATGTC
CAGGCAGGGAGCCTCCAGAGTAGACAAGCCCTCAAGGATGCCCGTCCCATCACGGCACACATTGTC
TCTAACAAAGTGCCAGTGGTGCAGCACCCCTCACCATGTCCACCCCTCACGCCTTATCACGTACAGC
AATGAACACTTCACGCCGGGAAACCCACCTCCACACTTACCAGCCGACGTAGACCCCAAAACAGGAATC
CCACGGCTCCGACCCCTCCAGATATATCCCCGTATTACCCACTATCGCCTGGCACCGTAGGACAAATC
CCCCATCCGCTAGGATGGTTAGTACCACAGCAAGGTCAACCAGTGTACCAATCACGACAGGAGGATTC
AGACACCCTACCCACAGCTCTGACCGTCAATGCTTCCATGTCCAGGTTCCCTCCCATATGGTCCCA
CCACATCATACGCTACACACGACGGCATTCCGCATCCGGCCATAGTCACACCAACAGTCAAACAGGAA
TCGTCCCAGAGTGATGTCGGCTCACTCCATAGTTCAAAGCATCAGGACTCCAAAAAGGAAGAAGAAAAG
AAGAAGCCCCACATAAAGAAACCTCTTAATGCATTGTTGATATGAAGGAAATGAGAGCAAAGGTC
GTAGCTGAGTGCACGTTGAAAGAAAGCGCGCCATCAACCAGATCCTTGGCGGAGGTGGCATGCACTG
TCCAGAGAAGAGCAAGCGAAATACTACGAGCTGGCCCGAAGGAGCGACAGCTTCATATGCAACTGTAC
CCCGGCTGGTCCGCGGGATAACTATGGAAAGAAGAAGAAGAGGAAAAGGGACAAGCAGCCGGGAGAG
ACCAATGAACACAGCGAATGTTTCTAAATCCTTGCCTTTCACTTCTCCGATTACAGGAGAAAAAAA
AGTGCGTTCGCTACATACAAGGTGAAGGCAGCTGCCTCAGCCACCCCTTCAGATGGAAGCTTACTAG
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Restriction Sites: SgfI-MluI
ACCN: NM_001198529
Insert Size: 1380 bp



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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).
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_001198529.1
RefSeq Size:	3931 bp
RefSeq ORF:	1380 bp
Locus ID:	6934
Cytogenetics:	10q25.2-q25.3
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Acute myeloid leukemia, Adherens junction, Arrhythmogenic right ventricular cardiomyopathy (ARVC), Basal cell carcinoma, Colorectal cancer, Endometrial cancer, Melanogenesis, Pathways in cancer, Prostate cancer, Thyroid cancer, Wnt signaling pathway
MW:	51 kDa
Gene Summary:	<p>This gene encodes a high mobility group (HMG) box-containing transcription factor that plays a key role in the Wnt signaling pathway. The protein has been implicated in blood glucose homeostasis. Genetic variants of this gene are associated with increased risk of type 2 diabetes. Several transcript variants encoding multiple different isoforms have been found for this gene.[provided by RefSeq, Oct 2010]</p> <p>Transcript Variant: This variant (11) has multiple differences in the coding region, compared to variant 1, one of which results in a translational frameshift. The resulting protein (isoform 11) has a distinct C-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>