

Product datasheet for SC315537

TCF19 (NM_001077511) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	TCF19 (NM_001077511) Human Untagged Clone
Tag:	Tag Free
Symbol:	TCF19
Synonyms:	SC1; TCF-19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC315537 representing NM_001077511. Blue=Insert sequence Red=Cloning site Green=Tag(s)

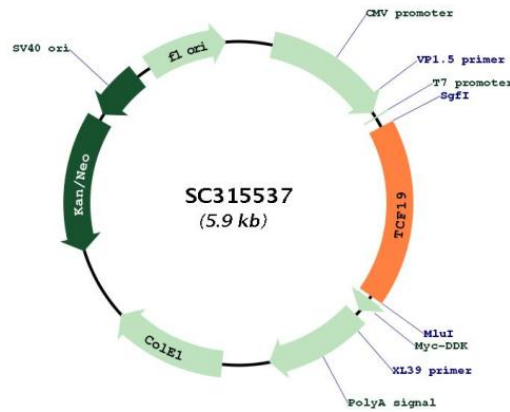
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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGCCCTGCTTCCAACCTGCTGCGCATAGGGGGCGGCAGGGGCGGTGATCTCTACACCTTCCACCCC
CCC GCCGGGGCTGGCTGCACCTATCGTTGGGCCACAGGGCCGACCTGTGTGATGTGGCCCTGCCGCC
CAGCAGGAGCCTGGCCTCATCTCTGGGATCCACGCCGAAGTGCATGCCGAGCCCCGGGTGATGACTGG
AGGGTCAGCCTGGAAGACCACAGCAGCCAAGTACTTTGGTCAATAATGTCGACTCCCAAGAGGTAC
AGGCTGGAATTGAGTGATGGAGACCTCCTGACCTTTGGCCCTGAAGGGCCCCAGGAACCCAGCCCTCG
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TCTAGGGGAGAAGCCCGGTTGGGGCTGGTTCCGGCCTATGCTGCCCTCCAGGGGGCTCCACAGCGG
CCTCTCAGCACCTTCTCCCTGCCCCCAAGGCCACTGATCCTAACTCCATAGGCAGCCTCAGCAAG
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CCTGGGAAATGGGGACCACGCTTCTGCTCCACCACAACGCAATCGGAGGAAATCTGTTACCGAGTG
TTGGCGGAAGTGGATGATGAGAGTGAGCCTCCTGAGAACCCGCCACCGGTCTTATGGAGCCAGGAAG
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GGCTGCAGCATCCAGGCTGCCAGGGAGGCCGACTTCCGATGCCAGGGTCCGGGGCTGCCATTGAGACC
TAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM_001077511

Insert Size: 1038 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: 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_001077511.1](#)

RefSeq Size: 3060 bp

RefSeq ORF: 1038 bp

Locus ID: 6941

UniProt ID: [Q9Y242](#)

Cytogenetics: 6p21.33

Protein Families: Druggable Genome, Transcription Factors

MW: 37.2 kDa

Gene Summary: This gene encodes a protein that contains a PHD-type zinc finger domain and likely functions as a transcription factor. The encoded protein plays a role proliferation and apoptosis of pancreatic beta cells. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]
Transcript Variant: This variant (2) uses an alternate splice site in the 5' UTR compared to variant 1. Variants 1, 2, and 3 encode the same protein.