

## Product datasheet for SC115727

### TCF19 (NM\_007109) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	TCF19 (NM_007109) Human Untagged Clone
Tag:	Tag Free
Symbol:	TCF19
Synonyms:	SC1; TCF-19
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC115727 sequence for NM_007109 edited (data generated by NextGen Sequencing)

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ATGCTGCCCTGCTTCCAACCTGCTGCGCATAGGGGGCGGCAGGGGGCGGTGATCTCTACACC
TTCCACCCCCCGCCGGGCTGGCTGCACCTATCGCTTGGGCCACAGGGCCGACCTGTGT
GATGTGGCCCTGCGGCCCCAGCAGGAGCCTGGCCTCATCTCTGGGATCCACGCCGAAGT
CATGCCGAGCCCCGGGTGATGACTGGAGGGTCAGCCTGGAAGACCACAGCAGCCAAGGT
ACTTTGGTCAATAATGTCCGACTCCCAAGAGGTCACAGGCTGGAATTGAGTGATGGAGAC
CTCCTGACCTTTGGCCCTGAAGGGCCCCAGGAACCAGCCCTCGGAGTTCTACTTCATG
TTCCAACAAGTACGAGTCAAGCCTCAGGACTTTGCTGCCATTACCATCCCACGGTCTAGG
GGAGAAGCCCGGTTGGGGCTGGTTTCCGGCCTATGCTGCCCTCCAGGGGGCTCCACAG
CGGCCTCTCAGCACCTTCTCCCCTGCCCCCAAGGCCACACTGATCCTAACTCCATAGGC
AGCCTCAGCAAGCTCCGGCCCCAGCCCCTCACCTTCTCCCCTAGTTGGGGTGGACCAAAG
AGCCTGCCTGTTCCCGCCCCACCTGGGGAAGTGGGGACCACGCCTTCTGCTCCACCCAA
CGCAATCGGAGGAAATCTGTTACCCGAGTGTGGCGGAACTGGATGATGAGAGTGAGCCT
CCTGAGAACCCGCCACCGGTCTTATGGAGCCCAGGAAGAAACTCCGTGTAGACAAAGCC
CCTACTGACTCCCCTGAAAATCGACGTGGCCGTCTCGGAAGTACCCAGTGAGCGCTCCC
ATGGCTCCCCCTGCAGTTGGGGGCGGGAGCCCTGTGCAGCTCCTTGTGCTGCCTGCC
CAGGAAGACAGTGGCCTGGGTTCAAGTGTGATGGCTGTGACGTCTGGTTCCATGTGGCC
TGTGTTGGCTGCAGCATCCAGGCTGCCAGGGAGCCGACTTCCGATGCCAGGGTGCCGG
GCTGGCATTACAGACCTAA

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Clone variation with respect to NM\_007109.2  
631 a=>g;657 a=>c



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_007109 unedited ATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGTGTGCTCAAAG TTGAAACCGCATACAGCACAACCTCAAGTTTGCATCAGACTGGGAAGCGAACTTAAGCCAG CCGTGCGTGGCCAGGAGTGGGAAAGGAAATGGATGCCTGAAGTGGAAAGAGGTGGTGCAG AGGGGGCACCGCCCATGCTGCCCTGCTTCCAACCTGCTGCGCATAGGGGGCGGCAGGGGCG GTGATCTCTACACCTTCCACCCCCCGGGGCTGGCTGCACCTATCGCTTGGGCCACA GGCCGACCTGTGTGATGTGGCCCTGCGGCCCCAGCAGGAGCCTGGCCTCATCTCTGGGA TCCACGCCGAACCTGCATGCCGAGCCCCGGGTGATGACTGGAGGGTCAGCCTGGAAGACC ACAGCAGCCAAGTACTTTGGTCAATAATGTCCGACTCCCAAGAGGTCACAGGCTGGAAT TGAGTGATGGAGACCTCCTGACCTTTGGCCCTGAAGGGCCCCAGGAACCAGCCCCTCGG AGTTCTACTTTCATGTTCCAACAAGTACGAGTCAAGCCTCAGGACTTTGCTGCCATTACCA TCCCACGGTCTAGGGGAGAAGCCCCGGTTGGGGCTGGTTTCCGGCCTATGCTGCCCTCCC AGGGGCTCCACAGCGCCTCTCAGCACCTTCTCCCCTGCCCCAAGGCCACACTGATCCT AAACCTCATAGGCAGCCTCAGCAAGCTCCGGCCCCAGCCCCTCACCTTTCTCCCTAGTTN GGGGTGGACCAAAGAGCCTGCCTGTTCCCGCCCACTGGGGGAGTGGNGACACGCCTCTGC TCCACCCAAACGCATCGAGAAATCTGTCACCGAGTGTGGCGGACTG
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_007109
<b>OTI Disclaimer:</b>	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.
	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_007109.1</a> , <a href="#">NP_009040.1</a>
<b>RefSeq Size:</b>	1080 bp
<b>RefSeq ORF:</b>	1080 bp
<b>Locus ID:</b>	6941

UniProt ID: [Q9Y242](#)

Cytogenetics: 6p21.33

Domains: FHA

Protein Families: Druggable Genome, Transcription Factors

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 (1) represents the longest transcript. Variants 1, 2, and 3 encode the same protein.