

Product datasheet for **RG207684**

TCF19 (NM_001077511) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	TCF19
Synonyms:	SCI; TCF-19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG207684 representing NM_001077511
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGCCCTGCTTCCAACCTGCTGCGCATAGGGGGCGGCAGGGGCGGTGATCTCTACACCTTCCACCCCC
CCGCCGGGGCTGGCTGCACCTATCGCTTGGGCCACAGGGCCGACCTGTGTGATGTGGCCCTCGCGCCCCA
GCAGGAGCCTGGCCTCATCTCTGGGATCCACGCCGAAGTGCATGCCGAGCCCCGGGTGATGACTGGAGG
GTCAGCCTGGAAGACCACAGCAGCCAAGTACTTTGGTCAATAATGTCCGACTCCCAAGAGGTACAGGC
TGGAATTGAGTGATGGAGACCTCCTGACCTTTGGCCCTGAAGGGCCCCAGGAACAGCCCCCTCGGAGTT
CTACTTCATGTTCCAACAAGTACGAGTCAAGCCTCAGGACTTTGCTGCCATTACCATCCACGGTCTAGG
GGAGAAGCCCGGGTTGGGGCTGGTTTCCGGCCTATGCTGCCCTCCAGGGGGCTCCACAGCGGCCTCTCA
GCACCTTCTCCCTGCCCCCAAGGCCACACTGATCCTAACTCCATAGGCAGCCTCAGCAAGCTCCGGCC
CCAGCCCTCACCTTCTCCCTAGTTGGGGTGGACCAAGAGCCTGCCTGTTCCCGCCCCACCTGGGGAA
GTGGGGACCACGCTTCTGCTCCACCCCAACGCAATCGGAGGAAATCTGTTACCGAGTGTTGGCGGAAC
TGGATGATGAGAGTGAGCCTCTTGAGAACCCGCCACCGGTCTTATGGAGCCAGGAAGAACTCCGTGT
AGACAAAGCCCACTGACTCCCACTGGAATCGACGTGGCCGTCTCGGAAGTACCCAGTGAGCGCTCCC
ATGGCTCCCCCTGCAGTTGGGGCGGGGAGCCCTGTGCAGCTCCTTGTGCTGCCTGCCCCAGGAAGAGA
CAGTGGCCTGGGTTCAAGTGATGGCTGTGACGTCTGGTTCCATGTGGCCTGTGTTGGCTGCAGCATCCA
GGCTGCCAGGGAGGCCGACTTCCGATGCCAGGGTGCCGGGCTGGCATTACAGACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG207684 representing NM_001077511

Red=Cloning site Green=Tags(s)

MLPCFQLLRIGGGRGDDLTYTHPPAGAGCTYRLGHRADLCDVALRPQQEPGLISGIHAELHAEPRGDDWR
VSLEDHSSQGTLVNNVRLPRGHRLELSDGDLITFGPEGPPGTSPSEFYFMFQQVRVKPQDFAAITIPRSR
GEARVGAGFRPMLPSQGAPQRPLSTFSPAPKATLILNSIGSLSKLRPQPLTFSPSWGPKSLPVPAPPGE
VGTTSPAPPQRNRKSVHRVLAELDDESEPLENPPVLMPEPRKKLRVDKAPLTPTGNRRGRPRKYPVSAP
MAPPAVGGGEPCAAPCCCLPQEETVAWVQCDGCDVWFHVACVGCSIQAAAREADFRCPCGCRAGIQT

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGCGCGCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGATCGCCGCGCGCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGTACTAGTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC --- ---

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCGCGCGGAGCT

- - E E R V Stop

ACCN:

NM_001077511

ORF Size:

1035 bp

OTI Disclaimer:

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. [More info](#)

OTI Annotation:

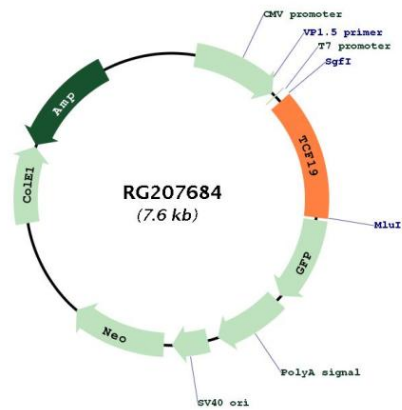
This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001077511.1 , NP_001070979.1
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]

Product images:



Circular map for RG207684