

Product datasheet for **RG219029**

TCF19 (NM_007109) 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: >RG219029 representing NM_007109
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGCCCTGCTTCCAACCTGCTGCGCATAGGGGGCGGCAGGGGCGGTGATCTCTACACCTTCCACCCCC
CCGCCGGGGCTGGCTGCACCTATCGCTTGGGCCACAGGGCCGACCTGTGTGATGTGGCCCTGCGGCCCA
GCAGGAGCCTGGCCTCATCTCTGGGATCCACGCCGAAGTGCATGCCGAGCCCCGGGTGATGACTGGAGG
GTCAGCCTGGAAGACCACAGCAGCCAAGTACTTTGGTCAATAATGTCCGACTCCCAAGAGGTACAGGC
TGGAATTGAGTGATGGAGACCTCCTGACCTTTGGCCCTGAAGGGCCCCAGGAACAGCCCTCGGAGTT
CTACTTCATGTTCCAACAAGTACGAGTCAAGCCTCAGGACTTTGCTGCCATTACCATCCACGGTCTAGG
GGAGAAGCCCGGGTTGGGGCTGGTTTCCGGCCTATGCTGCCCTCCAGGGGGCTCCACAGCGGCCTCTCA
GCACCTTCTCCCTGCCCCCAAGGCCACACTGATCCTAACTCCATAGGCAGCCTCAGCAAGCTCCGGCC
CCAGCCCTCACCTTCTCCCTAGTTGGGGTGGACCAAGAGCCTGCCTGTTCCCGCCCACTGGGGAA
ATGGGGACCACGCTTCTGCTCCACCACAACGCAATCGGAGGAAATCTGTTACCGAGTGTTGGCGGAAC
TGGATGATGAGAGTGAGCCTCCTGAGAACCCGCCACCGGTCTTATGGAGCCAGGAAGAACTCCGTGT
AGACAAAGCCCACTGACTCCCACTGGAATCGACGTGGCGTCTCGGAAGTACCCAGTGAGCGCTCCC
ATGGCTCCCCCTGCAGTTGGGGCGGGGAGCCCTGTGCAGCTCCTTGTGCTGCCTGCCCCAGGAAGAGA
CAGTGGCCTGGGTTCAAGTGATGGCTGTGACGTCTGGTTCCATGTGGCCTGTGTTGGCTGCAGCATCCA
GGCTGCCAGGGAGGCCGACTTCCGATGCCAGGGTGCCGGGCTGGCATTAGACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG219029 representing NM_007109
 Red=Cloning site Green=Tags(s)

MLPCFQLLRIGGGRGGDLTYFHPPAGAGCTYRLGHRADLCDVALRPQQEPGLISGIHAELHAEPRGDDWR
 VSLEDHSSQGTLVNNVRLPRGHRLELSDGDLITFGPEGPPGTSPSEFYFMFQQVRVKPQDFAAITIPRSR
 GEARVGAGFRPMLPSQGAQRPLSTFSPAPKATILNSIGSLSKLRPQPLTFSPSWGPKSLPVPAPPGGE
 MGTTSPAPPQRNRKSVHRVLAELDDESEPPENPPVLMERKKLRVDKAPLTPTGNRRGRPRKYPVSAP
 MAPPAVGGGEPCAAPCCCLPQEEVAVWVQCDGCDVWFHVACVGCISQAAREADFRCPCGRAGIQT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007109

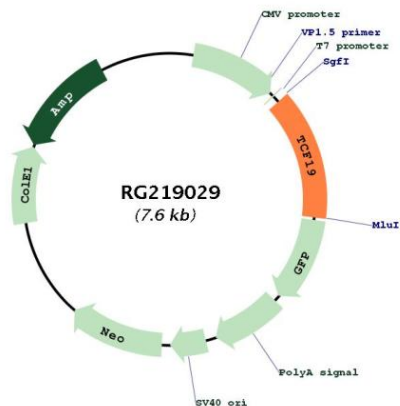
ORF Size: 1035 bp

OTI Disclaimer: 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 custsupport@origene.com 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. [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:	<u>NM_007109.3</u>
RefSeq Size:	3306 bp
RefSeq ORF:	1038 bp
Locus ID:	6941
UniProt ID:	<u>Q9Y242</u>
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]

Product images:



Circular map for RG219029