

Product datasheet for RC219029

TCF19 (NM_007109) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: TCF19 (NM_007109) Human Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: TCF19
 Synonyms: SC1; TCF-19
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RC219029 representing NM_007109
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGCCCTGCTTCCAACCTGCTGCGCATAGGGGGCGGCAGGGGCGGTGATCTCTACACCTTCCACCCCC
 CCGCCGGGGCTGGCTGCACCTATCGCTTGGGCCACAGGGCCGACCTGTGTGATGTGGCCCTGCGGCCCA
 GCAGGAGCCTGGCCTCATCTCTGGGATCCACGCCGAAGTGCATGCCGAGCCCCGGGGTGTGACTGGAGG
 GTCAGCCTGGAAGACCACAGCAGCCAAGTACTTTGGTCAATAATGTCCGACTCCAAGAGGTACAGGC
 TGGAAATGAGTGATGGAGACCTCCTGACCTTTGGCCCTGAAGGGCCCCAGGAACAGCCCTCGGAGTT
 CTACTTCATGTTCCAACAAGTACGAGTCAAGCCTCAGGACTTTGCTGCCATTACCATCCACGGTCTAGG
 GGAGAAGCCCCGGGTTGGGGCTGTTTCCGGCCTATGCTGCCCTCCAGGGGGCTCCACAGCGGCCTCTCA
 GCACCTTCTCCCCTGCCCAAGGCCACACTGATCCTAAACTCCTAGGCAGCCTCAGCAAGCTCCGGCC
 CCAGCCCCCTACCTTCTCCCCTAGTTGGGGTGGACCAAGAGCCTGCCTGTTCCCGCCCCACCTGGGGAA
 ATGGGGACCACGCCTTCTGCTCCACCACAACGCAATCGGAGGAAATCTGTTACCCGAGTGTGGCGGAAC
 TGGATGATGAGAGTGAGCCTCCTGAGAACCAGCCACCGGTCTTATGGAGCCCAGGAAGAAACTCCGTGT
 AGACAAAGCCCCACTGACTCCCCTGAAATCGACGTGGCCGCTCCTCGGAAGTACCCAGTGAGCGCTCCC
 ATGGCTCCCCCTGCAGTTGGGGCGGGGAGCCCTGTGCAGTCTTGTGCTGCCCTGCCAGGAAGAGA
 CAGTGGCCTGGGTTCAAGTGTGATGGCTGTGACGCTGGTCCATGTGGCCTGTGTTGGCTGCAGCATCCA
 GGCTGCCAGGGAGCCGACTTCCGATGCCAGGGTCCCGGGCTGGCATTGAGACC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC219029 representing NM_007109
Red=Cloning site Green=Tags(s)

MLPCFQLLRIGGGRGGDLTYFHPPAGAGCTYRLGHRADLCDVALRPQQEPGLISGIHAELHAEPRGDDWR
 VSLEDHSSQGLVNNVRLPRGHRLELSDGDLTFGPEGPPGTSPSEFYFMFQQVVRVKPQDFAAITIPRSR
 GEARVAGAFRMLPSQGAPQRPLSTFSPAPKATLILNSIGSLSKLRPQPLTFSPSWGPKSLPVPAPPGE
 MGTTPSAPPQRNRKSVHRVLAELDDESEPPENPPPVLMEPRKLRVDKAPLTPTGNRRGRPRKYPVSAP
 MAPPAVGGGEPCAAPCCCLPQEETVAWVQDCGDVWFHVACVGCISQAAREADFRCPGCRAGIQT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja3063_e01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007109

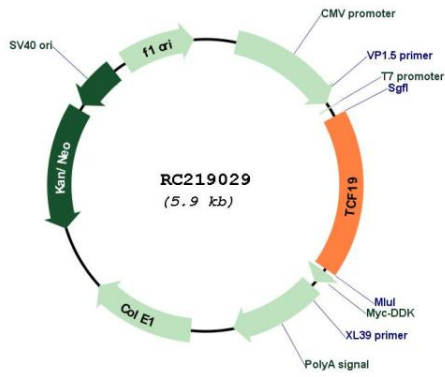
ORF Size: 1035 bp

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:	<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_007109.3
RefSeq Size:	3306 bp
RefSeq ORF:	1038 bp
Locus ID:	6941
UniProt ID:	Q9Y242
Cytogenetics:	6p21.33
Domains:	FHA
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 RC219029