

Product datasheet for **RR200199**

Tcf3 (NM_001035237) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tcf3 (NM_001035237) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tcf3
Synonyms:	Pan2; Tcfe2a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR200199 representing NM_001035237
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGATGAACCACTCTCAGAGAATGGCACCTGTTGGCTCGGACAAAGAAGTGAAGTACCTCCTGGACTTCA
 GTATGATGTTCCCGCTACCTGTGGCCAATGGCAAGGGCCGGCCCGCTCCCTAGCTGGAACCCAGTTCGC
 AGGCTCAGGACTGGAGGACCCAGCTCAGGGTCTGGGGCAACAGTGAACAGAACAGTTCTTCTTT
 GACCCTAGCCGGGCATACAGCGAAGGTGCCACTTCAGTACTCCACAGCAGCTGCCGCTTCCACGT
 TCCTAGGAGCTGGGCTTGGAGGCAAGGGCAGTGAACGGAATGCCTATGCCACCTTCGGGAGAGACCCAG
 TGTTGGCACCTGAGTCAAGGCTGGCTTCTACCAGGTGAGCTGGGCTCAGCAGTCCCGGGCCACTGTCC
 CCATCAGGCGTCAAGAGCAGTCCAGTATTACACCTATTCCCCAGCAACCCTCGGCGGAGAGCTGCAG
 ATGGTGGCTGGATACTCAGCCCAAGAAGTCCGGAAGTTCCGCTGGTCTTCTTCTCGGTATATCC
 ATCCAGCTCAGGTGATACTACAGCAGGACGCCACAGCTACCCCTCCGCCAAGACCCCAAGCAGCGCT
 TACCCCTCCCTTCTAGTGGCAGACGGCAGCTGCACCCCTCAGCGGAGCTCTGGAGTCCCTCGGCC
 AGGTGGGCTTGGGCCATGCTAGGTGATGGCTCGGCCCCCTGCCGCTTGCACCGGAGCAGTTCCTGT
 GAGCAGTGGTGCCTTGGGGGCTCCAGCAGCAGGATCGCATGGGCTACCAGCTGCATGGGTCTGAGGTC
 AATGGCACGCTCCAGCTGTATCCAGCTTCTCAGCTGCCCTGGCACTTACAGTGGGACTTCTGGCCACA
 CGCCACCCGTGAGCGGGCCGACAGCTTCTAGGCACCCGAGGGACTACAGCCAGCAGCTCAGGGGATGC
 CCTTGGGAAGGCACTGGCTCCATCTACTCCCGGATCACTCCAGCAATAATTTCTCGCCAGCCCTCA
 ACGCTGTGGGTTACCCAGGGCTGCCAGGGACATCACAGTGGCCCCGGGAGGAGCGCCAGTGCCT
 TATCCCCCACTACGATGCAGTCTCCATGGCTGAGTAAAATGGAAGATCGCTTGGACGAGGCCATCCA
 CGTCTCCGCACTCAGCTGTGCGCACTGCAAGCGAGCTCCATGGACTGCTGCCTGGCCACAGCAGTTG
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 CCCTGACCTCTCACAGAGGCCACCCGACTCCTTTAGTGGACTCGGGAGGGCAGGCGTACTGCAGGCGCC
 AGTGAGATCAAGCGGGAGGAGAAAGAGGACGAGGAGGTACATCAGTGGCAGACGCTGAGGAAGACAAGA
 AGGACCTGAAGGTCCACGCACACGTACCAGCAGTACAGATGAGGTGCTGTCCCTGGAGGAGAAGGACCT
 GAGGGACCGGGAGAGGCGCATGGCCAATAACGCTCGGGAGCGGGTGCCTGCGGGACATTAACGAGGCC
 TTCGGGAGCTGGGCCGATGTGCCAGCTGCACCTCAAGTCGGATAAGGCGCAGACCAAGCTGCTGATCC
 TGCAGCAGGCGGTGCAGTTATCCTGGGCTGGAGCAGCAGGTGCGAGAACGCAACCTGAACCCCAAGC
 AGCCTGCTTGAAGCGGGGAGGAGGAGAAGGTATCTGGCGTGGTGGGGATCCGCAGCTGGCGCTGTCA
 GCCGCCACCCGGGCTGGGTGAGGCCACAATCCAGCTGGGCACCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RR200199 representing NM_001035237
 Red=Cloning site Green=Tags(s)

MMNQSQRMAPVGSDELSDLLDFSMFPLPVANGKRPASLAGTQFAGSGLEDRPSSGSWGNSEQNSSSF
 DPSRAYSEGAHFSDSHSSLPPSTFLGAGLGGKGSERNAYATFGRDTSVGTLSQAGFLPGELGLSSPGPLS
 PSGVKSSSQYYTSFSPNPRRAADGGLDTQPKKVRKVPPGLPSSVYPPSSSGDNYSRDATAYP SAKTPSSA
 YPSPFYVADGSLHPSAELWSPPGQVGFPM LGDGSAPLPLAPGSSVSSGAFGGLQQQDRMGYQLHGSEV
 NGTLPVAVSFSAAPGTYSGTSGHTPPVSGADSL LGTRGTTASSSGDALGKALASIYSPDHSSNFPSPS
 TPVGSPPQLPGTSQWPRAGAPSA LSPNYDAGLHGLSKMEDRLDEAIHVL RSHAVGTASELHGLLPGHSTL
 TTSFAGPMSLGGRHAGLVSGHPEDGLTSGASLLHNHASLPSQPSSLPDLSQRPPDSFSGLG RAGVTAGA
 SEIKREEKEDEEVT SVADAEEDKDLKVPRTSSTDEVLSLEEKDLRDRERMANNARERVRV RDIINEA
 FRELGRMCQLHLKSDKAQTKLLILQQAVQVILGLEQQVRERNLPKAA CLKRREEEKVSGVVGDPQLALS
 AAHPGLGEAHNPAGHL

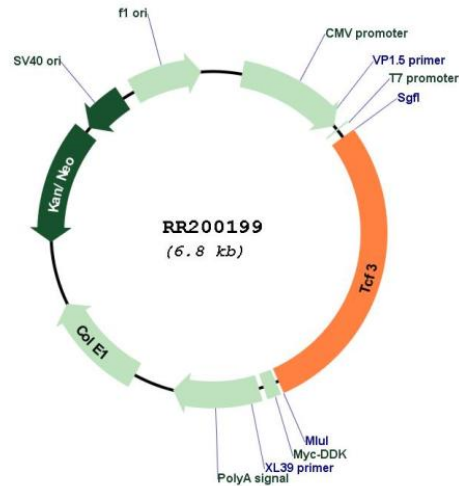
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001035237

ORF Size: 1938 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.

RefSeq: [NM_001035237.1](#), [NP_001030314.1](#)

RefSeq Size:	2562 bp
RefSeq ORF:	1941 bp
Locus ID:	171046
UniProt ID:	P21677
Cytogenetics:	7q11
MW:	67.3 kDa
Gene Summary:	transcriptional regulator; binds enhancer motifs of pancreatic exocrine genes [RGD, Feb 2006]