

Product datasheet for **RR201355**

Tfec (NM_022379) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tfec (NM_022379) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tfec
Synonyms: Tcfec
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201355 representing NM_022379
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACTCTTGACCATCGGTTGTTTCAGCCAGACTCTCAAGAGAGCACAGCCTCTAGCAGCAAGCTGCATGC
CTCTGGCAGAGCATGGACCCAGGAGCCAGACAGTGATGCTGGCTGTGCAGGAAACCCATTCACAAATCC
TCTGGCTCTTGGGAAAGAAGATGGCGTTGTGGAATGGCGGTTGTCTGGTAGTATTTGGATGTATATAGT
GGCAGAGCAGGGCATTCTCCAGTTAACTGGTCTTATGAATGCTTCTGTCCAAGTATTCTACCCATGA
AGAAGGAAATTGCAGAACTGACACTAGAGCTTTGGCAAAGGAGAGACAGAAAAAGGACAACCACAACCT
CATTGAAAGAAGAAGGTATAATATTAATTACAGAATCAAGGAGCTTGGCACTCTTATCCAAAGTCT
AATGATCCTGATATACGCTGGAACAAAGGAACCTTCTAAAAGCATCAGTGGACTACATCAAGTGGCTAC
AAAAAGAACAACAGAGAGCCCGGAGTTAGAACACAGGCAGAAGAAATTAGAGCATGCTAACCGGCAGCT
TATGCTCCGATTTCAGGAGCTAGAAATACAAGCACGTGCTCATGGTCTACCAATCCTGGCTTCACTCGGC
ACAGCTGACTTTGGTACCCACATCACTAAACAGCAGACCCATTCTGAGAAGAAGCTCAGTAGGCTGTTGCC
ACAACCTGACTCCATCCAGGGGACAAGCCCGGAGTTCTATGAGCAAGCTGTGGCTTTCTCTGACTCACT
GTCTCACTTACAGATTTATCGTTTAGTGCTGCTTTGAAAGAGGAGCAAAGATTGGATGGTATGCTACTA
AGTGATACAATATGCCCTTTGGGACGGACCCGCTACTCTCTGCCATTTCTCTGCAAGTTCCAAAGCGA
GCAGTCGAAGCAGCCTTAGCTCAGAGGATGGCGATGAACTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201355 representing NM_022379
Red=Cloning site Green=Tags(s)

MTLDHRLFSQTLKRAQPLAASCMPLEAHEGPRSPSDAGCAGNPFTNPLALGKEDGVVEWRLSGSILDVYS
 GEQGISPVNTGLMNASCPSILPMKKEIAETDTRALAKERQKKNHNLIERRRRYNINRIKELGTLIPKS
 NDPDIRWNKGTILKASVDYIKWLQKEQQRARELEHRQKLEHANRQLMLRIQELEIQARAHGLPILASLG
 TADFGTHITKQQTHSEKNSVGCQQLTPSQGTSPEFYEQAVAFSDPLSHFTDLSFSAALKEEQRLDGMLL
 SDTICPFGTDPILLSAISPAVSKASSRSSLSSDGDDEL

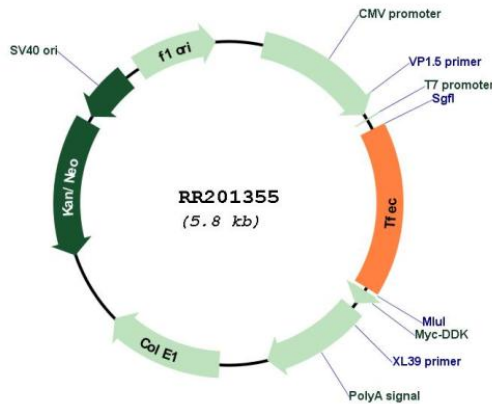
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_022379

ORF Size: 951 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:	<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_022379.1 , NP_071774.1
RefSeq Size:	1619 bp
RefSeq ORF:	954 bp
Locus ID:	26296
UniProt ID:	Q63302
Cytogenetics:	4q21
MW:	35.2 kDa
Gene Summary:	basic helix-loop-helix (BHLH) DNA-binding protein; contains a leucine zipper motif; forms heterodimers with TFE3 and inhibits TFE3-dependent transcription activation [RGD, Feb 2006]