

## Product datasheet for **RR216935**

### Tfe3 (NM\_001271227) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tfe3 (NM_001271227) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tfe3
Synonyms:	RGD1559642; Tcfe3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR216935 representing NM\_001271227  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCTCATGCAACTGAGACAGCTCGGGACGGCGTAGAGGCCAGCGCGGAGGGCCCTCGAGCCGTGTTCCG  
 TGCTGTTGGAAGAGCGCAGGCCAGCTGACTCGGCCAGCTGCTCAGCCTGAATTCCTTGCTTCCGGAATC  
 CGGGATTGTTGCTGACATCGAGTTAGAAAAACCTTGATCCTGACAGCTTCTACGAGCTCAAAAGCCAG  
 CCTCTATCCCTTCGCTCCAGCCTTCCAATCACTGCAGGCCACTCCGACCACCCAGCTACACTCTCTG  
 CATCGTCTTTCGAGGGGCTCCCGGACCCCTGCCATGTCATCCTCCTCACGGGTCTTGCTGCGGCA  
 GCAGCTTATGAGGGCCAGGCACAGGAACAGGAGAGGCGTGAGCGGGGGAACAGGCAGCGGCCGCTCCG  
 TTCCCCAGTCTGCACCTGCCTCACCAGCCATCTCAGTGATTGGTGTGTCTGCTGGTGGCCACACATTGA  
 GTCGTCCACCCCTGCTCAGGTGCCAGGGAGGTACTCAAGGTTCAAACCCACCTAGAGAACCCTACAGC  
 CTACCCTTGCAGCAAGCTCGCCGGCAACAGGTGAAACAGTACTTGTCTACTACACTTGGGCCAAAGCTG  
 GCTTACAGGCCCTCACCCACCCAGGGCCTCCAGTGCTCAGCCACTTCTGCCCTGAAACTGCTC  
 ATGCCACCGGCCCTACAGGCAGTCTCCTAACAGCCCCATGGCATTGCTCACCATTGGGTCCAGCTCAGA  
 GAAGGAGATTGATGATGTCATTGATGAGATCATCAGCCTGGAGTCCAGTTACAACGATGAGATGCTCAGC  
 TATCTTCTGGAGGCACTGCAGGGCTGCAGTCCCCAGCACGCTGCCTGTGTCAGGAAATCTACTTGATG  
 TGTACAGCAGTCAGGGTGTGGCCACCCAGCCATCACTGTCAGCAATTCCTGTCTGCTGAGCTGCCTAA  
 CATCAAACGGGAGATCTCGGAAACCGAGGCAAAGGCCCTTTTGAAGGAGCGACAGAAGAAAGACAATCAC  
 AACCTAATTGAACGACGAGCGGATTCAACATTAACGATAGGATCAAAGAGCTGGGCACCCTCATCCCCA  
 AGTCCAATGATCCGAGATGCGCTGGAACAAGGAACCATCCTGAAGGCATCTGTGGATTATATCCGCAA  
 ATTACAGAAGGAACAGCAGCGCTCTAAAGACTGGAGAGCCGGCAGCGGTCCTGGAGCAAGCCAACCGA  
 AGCCTGCAGCTCCGAATTCAGGAGCTGGAACACAGGCACAGATCCATGGTCTGCCGGTCCCTCCCAACC  
 CAGGACTGCTCTCCCTAGCCACCAGCTCGGTCTCTGACAGCCTCAAGCCGGAACAACCTGGACATTGAGGA  
 GGAGGGCAGGCCAAGCACAACAACATTTTATGTGTGAGGGGGCCTACCCAGAATGCTCTCCACAACAG  
 CCTCCGGCACCCTTCGGATACCCTTCTGGACCTGCACCTTCCAGCGACCCTTGGGGGACCTGGGGG  
 ACCCTTCCACCTAGGGCTAGAGGACATTTGATGGAGGAGGAGGGGATGGTGGGAGGACTGTCAGGGGG  
 TGCCCTGTCCCCTGCGGGCTGCTTCCGACCCCTGCTTCTTTCAGTATCCCCGGCTGTTTCCAAGTCG  
 AGCAGCCGGCGCAGCAGCTTTCAGCATGGAAGACGAGTCC

**ACGCGT**ACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR216935 representing NM\_001271227  
 Red=Cloning site Green=Tags(s)

MSHATETARDGVEASAEGPRAVFLLEERRPADSAQLLSLNSLLPESGIVADIELENILDPSFYELKSQ  
 PLSLRSSLPISLQATPTTPATLSASSSAGSRTPAMSSSSRVLLRQQLMRAQAQEQERRERREQAAAAP  
 FPPSPAPASPAISVIGVSAGGHTLSRPPPAQVPREVLKVQTHLENPTRYHLQQARRQVKQYLSTTLGPKL  
 ASQALTPPPGPSSAQPLPAPETAHATGPTGSAPNSPMALLTIGSSSEKEIDDVIDEIIISLESSYNDEMLS  
 YLPGGTAGLQLPSTLPVSGNLLDVYSSQGVATPAITVSNSCPaelPNIKREISETAKALLKERQKDNH  
 NLIERRRRFNINDRIKELGTLIPKSNDEMRWNGTILKASVDYIRKLQKEQQRSKDLESRQRSLEQANR  
 SLQLRIQELELQAQIHGLPVPPNPGLLSLATSSVSDSLKPEQLDIEEGRPSTTTTFHVSGGPTQNAPPQQ  
 PPAPPSDTLLDLHFPSDHLGDLGDPFHLGLEDILMEEEGMVGGLSGGALSPLRAASDPLLSVSPAVSKS  
 SSRRSSFMEDES

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001271227

**ORF Size:** 1719 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\\_001271227.1](#), [NP\\_001258156.1](#)

**RefSeq Size:** 3356 bp

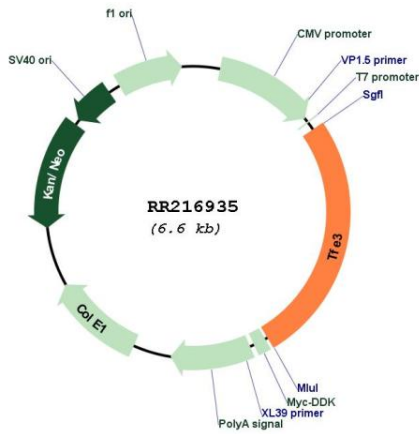
**RefSeq ORF:** 1722 bp

**Locus ID:** 317376

**Cytogenetics:** Xq12

**MW:** 61.6 kDa

Product images:



Circular map for RR216935