

## Product datasheet for **RN213134**

### **Tfeb (NM\_001025707) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tfeb (NM_001025707) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tfeb
Synonyms:	Tcfcb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN213134 representing NM\_001025707  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCTCAGCTTGCTCAGCGGTCTTGGCAAAATCCCTTCTGTCCGGACTCAGTTTCTCCTATGCACAAT  
 GGGAGCAACCGTACTTAGGCCAGCCACGCTTAAAGACTCCGAGGATGATGAGTACTTCATGGACCTGTC  
 TTCCCTCGACTGCAGGGAGCCGGAATCAACCGCTGCCATGGCGTCGCGCATCGGGCTGCGCATGCAGCTC  
 ATGCGGGAGCAGGCGCAGCAGGAGGAGCAGCGAGAGCGCATGCAGCAGCAGGCCGTGATGCATTACATGC  
 AGCAGCAGCAACAGCAGCAGCAGCAGCTGGGAGGCCCTCCCACCCAGCCATCAACACCCAGTTCA  
 CTTCCAGTCGCCACCACAGTGCCTGGGAGGTGCTGAAGGTGCAGTCTACCTGGAGAACCCACCTCC  
 TACCACCTGCAGCAGTCTCAGCATCAGAAAGTCCGAGAGTACCTGTCCGAGACCTACGGCAACAAGTTG  
 CTGCCACGTGAGCCAGCCCAAGGCTCCCGAAGCCTCCACCAGCAGCATCCCCTGGGGTGGGGCTGG  
 ACATGTACTGTCCACCTCGGCCGCAACAGTGCSCCAACAGTCCCATGGCCATGCTACACATCAGTCC  
 AATCCTGAGAAAGAGTTTGATGATGTCATCGACAACATTATGCGCCTGGCAGCGTGTGGGCTACATCA  
 ACCCCGAAATGCAGATGCCTAACACGCTACCCCTGTCCAGCAGCCACCTGAACGTGTACAGTGGTACCC  
 CCAGGTACCGCTTCCCTGGTAGGTGTACCAGCAGTTCCCTGCCCTGCCGACCTGACTCAGAAGCGAGAG  
 CTAACAGATGCTGAGAGCCGGCCCTGGCCAAGGAACGGCAGAAGAAAGACAATCACAACCTAATTGAGA  
 GAAGACGCAGGTTCAACATCAATGACAGAATCAAGGAGCTGGGAATGCTGATCCCCAAGGCCAATGACCT  
 GGACGTGCGTGGAACAAGGGCACCATCCTCAAGGCCTCTGTGGATTACATCCGGAGGATGCAGAAAGAC  
 CTGCAGAAAGTCCCGGAGCTGGAGAACCCTCTCGCGCCTGGAGATGACCAACAAGCAGCTCTGGCTTC  
 GCATCCAGGAGCTGGAGATGCAGGCACGGTGCACGGTCTTCCCACCACCTCACCGTCCGGTGTGAATAT  
 GGCCGAGCTGGCCCAACAGGTGGTGAAGCAAGAGCTGCCAGTGAAGATAACCCAGGGGAGACCCTGATG  
 CTGGGTCCGAGGTCCCTGACCCTGAGCCATGCCGGCTCTCCCACCCAGGCCCCGCTGCCCTCAGCCG  
 CCCAGCCACAGTCTCCGTTCCATCACCTGGACTTCAGCCATGGCCTGAGCTTTGGGGTGGGGGCGATGA  
 GGGGCCCGCAGGCTACCCTGATCCCCTGGGACAGAGCATGGCTCCCCTTCCCCAACCTGTCCAAGAAG  
 GATCTGGACTTAATGCTCCTAGATGACTCCTTGTCCCCTGGCCTCTGATCCCCTCTTTTCTACCATGT  
 CTCCTGAGGCCTCAAGGCTAGCAGCCGGCAAGCAGCTTCAGCATGGAGGAGGGCGACGTTCTG**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2619\\_c08.zip](https://cdn.origene.com/chromatograms/ja2619_c08.zip)

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001025707

**Insert Size:** 1608 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](mailto: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](#)

**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\\_001025707.1](#), [NP\\_001020878.1](#)

**RefSeq Size:** 2291 bp

**RefSeq ORF:** 1608 bp

**Locus ID:** 316214

**Cytogenetics:** 9q12