

Product datasheet for **RR213134**

Tfeb (NM_001025707) Rat Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RR213134 representing NM_001025707
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCAGTTGCTCAGCGGTCTTGGCAAATCCCTTGTCCGGACTCAGTTTCTCCTATGCACAAT
 GGGAGCAACCGTACTTAGGCCAGCCACGCTTAAAGACTCCGAGGATGATGAGTACTTTCATGGACCTGTC
 TTCCCTCGACTGCAGGGAGCCGGAATCAACCGCTGCCATGGCGTCGCGCATCGGGCTGCCATGCAGCTC
 ATGCGGGAGCAGGCGCAGCAGGAGGAGCAGCGAGAGCGCATGCAGCAGCAGGCCGTCATGCATTACATGC
 AGCAGCAGCAACAGCAGCAGCAGCAGCTGGGAGGCCCTCCCACCCAGCCATCAACACCCAGTTCA
 CTTCCAGTCGCCACCACAGTGCCTGGGAGGTGCTGAAGGTGCAGTCTACCTGGAGAACCCACCTCC
 TACCACCTGCAGCAGTCTCAGCATCAGAAAGTCCGAGAGTACCTGTCCGAGACCTACGGCAACAAGTTG
 CTGCCACGTCAGCCAGCCAAAGGCTCCCGAAGCCTCCACCAGCAGCATCCCCTGGGGTGGGGCTGG
 ACATGTACTGTCCACCTCGGCCGCAACAGTGCSCCAACAGTCCATGGCCATGCTACACATCAGCTCC
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 ACCCCGAAATGCAGATGCCTAACACGCTACCCCTGTCCAGCAGCCACCTGAACGTGTACAGTGGTGACCC
 CCAGGTCACGGCTTCCCTGGTAGGTGTACCAGCAGTTCCTGCCCTGCCGACCTGACTCAGAAGCGAGAG
 CTAACAGATGCTGAGAGCCGGGCCCTGGCCAAGGAACGGCAGAAGAAAGACAATCACAACCTAATTGAGA
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 GGCCGAGCTGGCCCAACAGGTGGTGAAGCAAGAGCTGCCAGTGAAGATAACCCAGGGGAGACCCCTGATG
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 CCCAGCCACAGTCTCCGTTCATCACCTGGACTTCAGCCATGGCCTGAGCTTTGGGGTGGGGCGATGA
 GGGGCCCGCAGGCTACCCTGATCCCCTGGGACAGAGCATGGCTCCCCTTTCCCAACCTGTCCAAGAAG
 GATCTGGACTTAATGCTCCTAGATGACTCCTTGTCCCCTGGCCTGTATCCCCTTTTCTACCATGT
 CTCTGAGGCCTCAAGGCTAGCAGCCGCGAAGCAGCTTCAGCATGGAGGAGGGCGACGTTCTG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

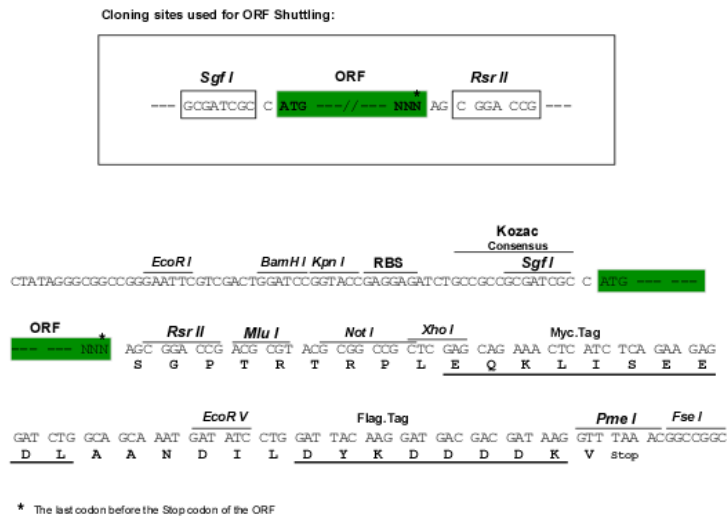
>RR213134 representing NM_001025707
 Red=Cloning site Green=Tags(s)

MAQLAQRSWANPFCPDSVSPYAQWEQPYLGQPTLKDSEDEYFMDLSSLDCREPESTAAMASRIGLRMQL
 MREQAQEEQRERMQQAVMHYMQQQQQQQQLGGPPTPAINTPVHFQSPPPVPGVLEKLVQSYLENPTS
 YHLQSQHQKQVREYLSETYGNKFAAHVSPAQGSFKPPPAASPGVRAGHVLSTSAGNSAPNSPMAMLISS
 NPEKEFDDVIDNIMRLDSVLGYINPEMQPNTLPLSSHLNVYSQDPQVTASLVGVTSSSCPADLTQKRE
 LTDAESRALAKERQKDNHNLIERRRFNINDRIKELGMLIPKANDLDVRWNKGTILKASVDYIRRMQKD
 LQKSRELENHSRREMTNKQLWLRIQELEMQARVHGLPTTSPSGVNMAELAQVVKQELPSEDNPGETLM
 LGSEVPDPEPMPALPPQAPLPSAAQPQSPFHLDLDFSHGLSFGGGGDEGPAGYPDPLGTEHGSPPFNLSSK
 DLDLMLLDDSLPLASDPLFSTMSPEASKASSRRSSFSMEEGDVL

SGPTRTRPLEQKLI**SEEDLAANDILDYKDDDDKV**

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_001025707

ORF Size: 1605 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.

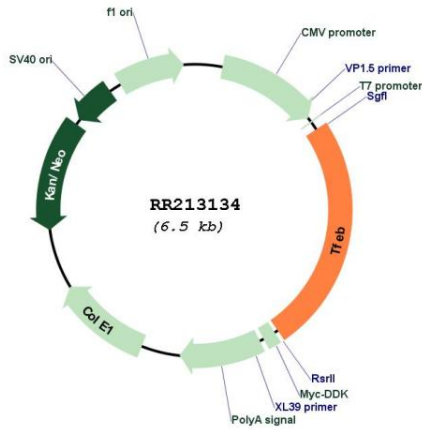
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

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
 MW: 59.4 kDa

Product images:



Circular map for RR213134