

Product datasheet for **RR201399**

Tfb1m (NM_181474) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfb1m (NM_181474) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tfb1m
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR201399 representing NM_181474 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCTGCCTCGGAAAGCTCGGCACCTTCCGCCTCCCCCGTTACCCACCATTCGAGAAATCATTAAAGT
TGTTCCGACTGCGAGCGCGAAGCAGCTTCCCAGAATTCCTCCTGGACTTGAGGCTGACAGACAAAAT
TGTAAGGAAAGCTGGCAGTCTAGCAGATGTTTATGTTTATGAAGTGGTCCGGGGCCGGGGAATCACA
AGATCCATCCTCAATGCTGATATTGCCGAGCTTCTGGTGGTTGAAAAGGATACTCGGTTTATTCCAGGAT
TACAGATGCTTTCTGATGCAGCACCTGGAAAACCTCCGAATTGTTTCATGGAGATGTGCTGACGTATAAGAT
AGAAAAGGCTTTTCCAGACAACATTAGAAGACAGTGGGAAGATGATCCTCCAAATGTACATATTATTGGA
AACCTGCCTTTTAGTGTTTCAACCCCACTGATTATCAAGTGGCTTGAAAAATTTCTCTTAAAAATGGCC
CTTTCGTTTACGGCAGAACTAAGATGACGTTAACATTTCAAAGGAAGTGGCGGAGAGACTTGTAGCCAC
TACAGGAAGCAAACAGCGCAGTCGTCTTCCATTATGGCCAGTACCTCTGCAATGTTGAGCACCTCTTT
ACAATCCCAGGAAAGGCTTTTGTCCCAAACCAGAGGTTGATGTAGGAGTGGTGCACCTTATGCCCTTGG
TACAGCCCAAGATCAAGCAGCCATTCAAGCTGGTAGAAAAAGTTGTCAGAAATGTGTTTCAGTTTCGAAG
GAAATATTGCCACCGAGGCTTGAATGTTATCCCTGAAGCACAGCGCCTGGAAAGCACTGGAAGGCTG
TTACAGCTAGCTGACATTGATCCAACGCTCCGGCCCACTCACCTCTCGCTCATGCAATTTTAAAGATTTAT
GTGATGTGTACAGAAAAATGTGTGATGAAGACCCAACTCTTTGCTTATAACTTCAGAGAAAGAGCTCAA
GCAAAAAGAAAAGGAAAGGTCAAGAAAAAGATGGTGACTCAGAAAGCTGTGGGTTTC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

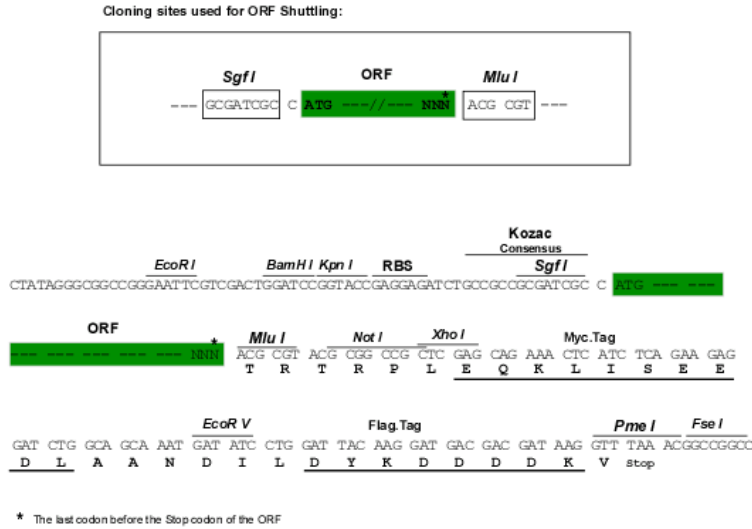
Protein Sequence: >RR201399 representing NM_181474
 Red=Cloning site Green=Tags(s)

MAASGKLGTFRLPPLPTIREIIKLFGLRAAKQLSQNFLDLRLTDKIVRKAGSLADVYVVEVGPGGGIT
 RSILNADIAELLVVEKDTRFIPGLQMLSDAAPGKLRIVHGDVLTYKIEKAFPDNIRRQWEDDPPNVHIIG
 NLPFVSSTPLIIKWLENI SLKNGPFVYGR TKMTLTFQKEVAERL VATTGSKQRSLSIMAQYLCNVEHLF
 TIPGKAFVPKPEVDVGVVHMLPLVQPKIKQPFKLVKVVQNVVFQFRKYCHRGLGMLFPEAQRLESTGRL
 LQLADIDPTLRPHLSLMHFKSLCDVYRKMCEDEPQLFAYNFREELKQKKRKGQEKDGDSESCGF

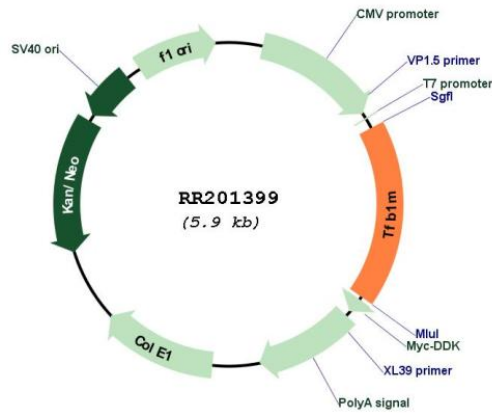
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_181474

ORF Size:	1035 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_181474.2 , NP_852139.2
RefSeq Size:	1660 bp
RefSeq ORF:	1038 bp
Locus ID:	308140
UniProt ID:	Q811P6
Cytogenetics:	1q11
MW:	39.1 kDa
Gene Summary:	human homolog is one of two related transcription factors necessary for basal transcription of mammalian mitochondrial DNA [RGD, Feb 2006]