

Product datasheet for **MC207417**

Tfec (NM_031198) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tfec (NM_031198) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tfec
Synonyms:	BB107417; bHLHe34; Tcfec
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC207417 representing NM_031198 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCTTTGACTGTGGGTATGCGACCAGACTCTCAAGAGAGCGCAGCCTCCAGCAGCCAGCTGCATGC
CTCTGGCAGAGCATGAACCCATGAGCCCAGACAGTGATGCTGGCTGTGCAGGAAACCCATTACAAAATCT
GCTGGCTCTTGGGAAAAAAGATGGTGTGAGAAATGCCATTTATCTGGGAGTATTTGGATGTGTACAGT
GATGAGCAGGGCATTCTTCAGCTAATGCTGGTCTCACGGATGCTCCTTGTCCAAGTATTCTACCCATGA
GAAAGGAAATTGCAGAACTGATGGTAGAGCTTTGGCAAAGGAGAGACAGAAAAAGGACAACCACAACCT
CATTGAAAGAAGAAGAAGGTATAATATTAATTACCGAATCAAGGAGCTTGGCACTCTTATCCAAAGTCT
AATGATCCTGATATGCGCTGGAACAAAGGGACCATTCTAAAGGCATCAGTGGACTACATCAAGTGGCTAC
AAAAAGAACAACAGAGAGCCCGGGAGTTAGAACACAGACAGAAGAAATTAGAACATGCTAACCGTCAGCT
TAGGCTCCGGATTAGGAACTAGAAATACAAGCACGTGCTCATGGTCTACCAATCCTGGCTTCACTCGGC
ACAGCTGATGTTGGTACCCACATCACCAAGCAGCAGACCCATCCTGAGAGGAACTTAGGAGGCTGTTGCT
TACAACCTGACTCCAACCTCAGGGGACAAGCCCGGAGTCTATGAGCAAGCTGTGGCTTTCTCTGATCCATT
GTCTCACTTACAGATTTATCCTTTAGTGCCGCTTTGAAAGAGGAACAAAGATTGGATGGCATGCTACTA
AGTGATACAATATGCCCTTTGGGACGGACCCACTACTCTGCCATTTCCCTCGAGTTTCCAAAGCTA
GCAGCCGAAGCAGCCTTAGCTCAGAGGATGGTATGAGTTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_031198



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Insert Size:	954 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_031198.3 , NP_112475.1
RefSeq Size:	1779 bp
RefSeq ORF:	954 bp
Locus ID:	21426
UniProt ID:	Q9WTW4
Cytogenetics:	6 A2
Gene Summary:	Transcriptional regulator that acts as a repressor or an activator. Acts as a transcriptional transactivator on the proximal promoter region of the tartrate-resistant acid phosphatase (TRAP) E-box containing promoter. Collaborates with MITF in target gene activation. Acts as a transcriptional repressor on minimal promoter containing element F (that includes an E-box sequence) (By similarity). Binds to element F in an E-box sequence-specific manner (By similarity). Acts as a transcriptional repressor on minimal promoter containing mu E3 enhancer sequence (By similarity). Binds to mu E3 DNA sequence of the immunoglobulin heavy-chain gene enhancer (By similarity). Binds DNA in a homo- or heterodimeric form. [UniProtKB/Swiss-Prot Function]