

Product datasheet for **SC330212**

TFEC (NM_001244583) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: TFEC (NM_001244583) Human Untagged Clone
Tag: Tag Free
Symbol: TFEC
Synonyms: bHLHe34; hTFEC-L; TCFEC; TFE-C; TFEC-L; TFECL
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330212 representing NM_001244583.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

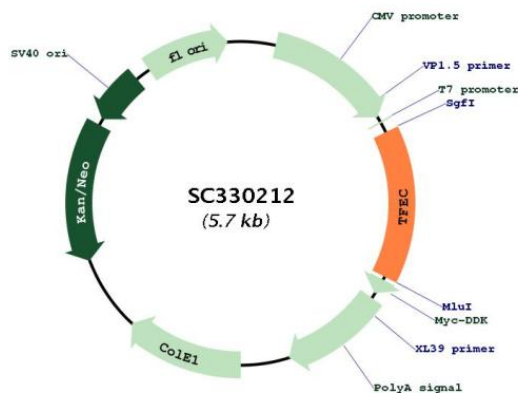
```
ATGATGAAGGAGAAAGAGAAAACCATTTGCTATTGTGAAGGTTATAGACACTTCAAAGTTAAAAGTGTTA
TCTGGAAGTATTTTGGATGTGTATAGCGGTGAACAAGGAATTTACCAATTAACATGGGGCTTACAAGT
GCTTCTTGTCCAAGTAGTCTACCAATGAAAAGAGAAATTACAGAACTGACACTAGAGCTTTAGCAAAA
GAGAGACAAAAAAGGACAACCACAACCTCATTGAAAGAAGAAGAAGGTATAATATTAATTACCGAATC
AAGGAGCTTGGCACTCTTATTCCAAAGTCTAATGATCCTGATATGCGCTGGAACAAAGGAACCATTTCTA
AAAGCATCAGTGGAGTACATCAAGTGGCTACAAAAGAACAACAGAGAGCCCGAGAATTGGAACACAGA
CAGAAGAAATTAGAGCAGGCTAACAGGCGACTTCTACTTCGGATTACAGGAAGTAGAAATTCAGGCTCGT
ACTCATGGTCTGCCAACCTGGCTTCACTTGGCACGGTTGATTTAGGTGCTCATGTCACCAAACAGCAG
AGCCATCCTGAGCAGAATTCAGTAGACTATTGCCAACACTGACTGTGTCTCAGGGGCCAAGCCCTGAG
CTCTGTGATCAAGCTATAGCCTTTTCTGATCCTTTGTCATACTTCACAGATTTATCATTAGTGCTGCA
TTGAAAGAGGAACAAAGATTGGATGGCATGCTATTGGATGACACAATCTCTCCATTTGGAACAGATCCT
CTGCTATCTGCCACTTCCCCTGCAGTTTCCAAAGAAAGCAGTAGGAGAAGTAGCTTTAGCTCAGATGAT
GGTGATGAATTAA
```

Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:



ACCN: NM_001244583

Insert Size: 843 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:

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_001244583.1
RefSeq Size:	6309 bp
RefSeq ORF:	843 bp
Locus ID:	22797
UniProt ID:	O14948
Cytogenetics:	7q31.2
Protein Families:	Druggable Genome, Transcription Factors
MW:	31.6 kDa
Gene Summary:	<p>This gene encodes a member of the microphthalmia (MiT) family of basic helix-loop-helix leucine zipper transcription factors. MiT transcription factors regulate the expression of target genes by binding to E-box recognition sequences as homo- or heterodimers, and play roles in multiple cellular processes including survival, growth and differentiation. The encoded protein is a transcriptional activator of the nonmuscle myosin II heavy chain-A gene, and may also co-regulate target genes in osteoclasts as a heterodimer with microphthalmia-associated transcription factor. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Sep 2011]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, lacks a portion of the 5' coding region and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (c) is shorter and has a distinct N-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>