

Product datasheet for **MC206980**

Btf3 (NM_001170540) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Btf3 (NM_001170540) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Btf3
Synonyms:	1700054E11Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC206980 representing NM_001170540. Blue=ORF Red=Cloning site Green=Tag(s)

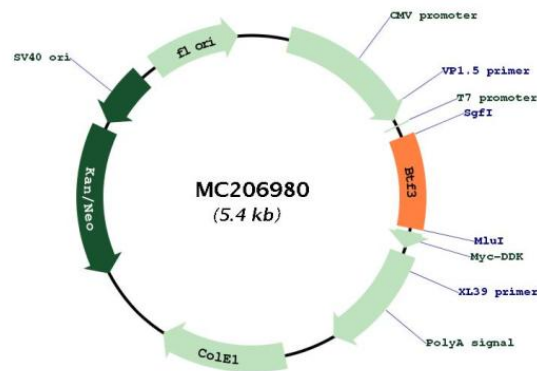
```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAAGAAACAATCATGAACCAGGAGAACTCGCCAACTGCAGGCACAAGTGCGCATTGGTGGGAAA
GGAACTGCTCGTAGGAAGAAGAAGGTGGTTCACAGAACGGCCACAGCAGACGATAAGAACTGCAGTTC
TCCTTAAAGAAGTTAGGGGTGAACAACATCTCTGGTATTGAAGAGGTGAACATGTTTACAAACCAAGGA
ACAGTGATCCATTTTAAACAACCTAAAGTTCAGGCATCCCTGGCAGCAAACACCTTCACCATTACAGGC
CACGCTGAGACAAAGCAGCTGACAGAAATGCTTCCAGCATCCTCAACCAGCTTGGTGCAGACAGCCTG
ACTAGTTTAAAGGAGACTGGCTGAAGCTCTGCCAAACAATCTGTGGATGGAAAAGCACCCCTTGCTACT
GGAGAGGATGATGATGATGAAGTCCAGATCTGGTGGAGAATTTTATGATGAGGCTTCTAAGAAATGAGGCA
AACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCC
```

Restriction Sites: Sgfl-Mlul



[View online »](#)

Plasmid Map:



ACCN: NM_001170540

Insert Size: 489 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_001170540.1](#)

RefSeq Size: 906 bp

RefSeq ORF: 489 bp

Locus ID: 218490

UniProt ID: [Q64152](#)

Cytogenetics: 13 D1

MW: 17.7 kDa

Gene Summary: When associated with NACA, prevents inappropriate targeting of non-secretory polypeptides to the endoplasmic reticulum (ER). Binds to nascent polypeptide chains as they emerge from the ribosome and blocks their interaction with the signal recognition particle (SRP), which normally targets nascent secretory peptides to the ER. BTF3 is also a general transcription factor that can form a stable complex with RNA polymerase II. Required for the initiation of transcription (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded protein (isoform 2) is shorter when it is compared to isoform 1.