

## Product datasheet for **RG220184**

### **BTF3 (NM\_001037637) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** BTF3 (NM\_001037637) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** BTF3  
**Synonyms:** BETA-NAC; BTF3a; BTF3b; NACB  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG220184 representing NM\_001037637  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCGACGGACAGGCGCACCCGCTCAGGCTGACTCTCGGGGGCGAGGTCGAGCCAGGGCGGCTGCCCTG  
 GGGGCGAGGCGACGCTGTCTCAACCTCCACCTCGCGCGGAACCCGAGGACAGGAGCCTCAGATGAAAGA  
 AACATCATGAACCAGGAAAACTCGCCAACTGCAGGCACAAGTGCGCATTGGTGGAAAGGAAGTCTGCT  
 CGCAGAAAAGAAGGTGGTTCATAGAACGCCACAGCAGATGACAAAAAACTTCAGTTCTCCTTAAGA  
 AGTTAGGGGTAACAATATCTCTGGTATTGAAGAGGTGAATATGTTTACAAACCAAGGAACAGTGATCCA  
 CTTAACAACCCATAAGTTCAGGCATCTCTGGCAGCGAACACTTTCACCATTACAGGCCATGCTGAGACA  
 AAGCAGCTGACAGAAATGCTACCCAGCATCTTAAACCAGCTTGGTGGGATAGTCTGACTAGTTAAGGA  
 GACTGGCCGAAGCTCTGCCAAACAATCTGTGGATGAAAAGCACCCTTGTACTGGAGAGGATGATGA  
 TGATGAAGTTCAGATCTGTGGAGAATTTTGTGAGGCTTCCAAGAATGAGGCAAAAC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG220184 representing NM\_001037637  
 Red=Cloning site Green=Tags(s)

MRRTGAPAQADSRGRGRARGGCPGGEATLSQPPPRGGTRGQEPQMKETIMNQEKLAKLQAQVRIGGKGTA  
 RRKKKVHRTATADKKLQFSLKKLVNNSGIEEVNMFVNQGTVIHFNNPKVQASLAANTFTITGHAET  
 KQLTEMLPSILNQLGADSLTSLRRLAEALPKQSVGDKAPLATGEDDDDEVDPDLVENFDEASKNEAN

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI





**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\\_001037637.1](#), [NP\\_001032726.1](#)

**RefSeq Size:** 1262 bp

**RefSeq ORF:** 621 bp

**Locus ID:** 689

**UniProt ID:** [P20290](#)

**Cytogenetics:** 5q13.2

**Protein Families:** Transcription Factors

**Gene Summary:** This gene encodes the basic transcription factor 3. This protein forms a stable complex with RNA polymerase IIB and is required for transcriptional initiation. Alternative splicing results in multiple transcript variants encoding different isoforms. This gene has multiple pseudogenes. [provided by RefSeq, Jul 2008]