

## Product datasheet for **SC319508**

### **BTF3 (NM\_001207) Human Untagged Clone**

#### **Product data:**

**Product Type:** Expression Plasmids  
**Product Name:** BTF3 (NM\_001207) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** BTF3  
**Synonyms:** BETA-NAC; BTF3a; BTF3b; NACB  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_001207.4  
CTTGCGTCCCCGCGTGTGTGCGCCTAATCTCAGGTGGTCCACCCGAGACCCCTTGAGCAC  
CAACCCTAGTCCCCGCGCGGCCCTTATTCGCTCCGACAAGATGAAAGAAACAATCATG  
AACCAGGAAAAACTCGCCAAACTGCAGGCACAAGTGCGCATTGGTGGGAAAGGAAGTCTG  
CGCAGAAAAGAAGGTGGTTCATAGAACAGCCACAGCAGATGACAAAAACTTCAGTTC  
TCCTTAAAGAAGTTAGGGTAAACAATATCTCTGGTATTGAAGAGGTGAATATGTTTACA  
AACCAAGGAACAGTGATCCACTTAAACAACCCTAAAGTTCAGGCATCTCTGGCAGCGAAC  
ACTTTCACCATTACAGGCCATGCTGAGACAAAGCAGCTGACAGAAATGCTACCCAGCATC  
TAAACCAGCTTGGTGGGATAGTCTGACTAGTTAAGGAGACTGGCCGAAGCTCTGCC  
AAACAATCTGTGGATGGAAAAGCACCCTTGTACTGGAGAGGATGATGATGATGAAGTT  
CCAGATCTTGTGGAGAATTTTGATGAGGCTTCCAAGAATGAGGCAAAGTGAATTGAGTCA  
ACTTCTGAAGATAAAACCTGAAGAAGTTACTGGGAGCTGCTATTTTATATTATGACTGCT  
TTTTAAGAAATTTTGTATGGATCTGATAAAATCTAGATCTCTAATATTTTAAAGCCC  
AAGCCCCTGGCACTGCAGCTCTTTTCAGTTTTTGTCTATACACAATTCATTCTTTGCA  
GCTAATTAAGCCGAAGAAGCCTGGGAATCAAGTTTGAACAAAGATTAATAAAGTTCTTT  
GCCTAGTAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_001207

**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).



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<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001207.4</a></u> , <u><a href="#">NP_001198.2</a></u>
<b>RefSeq Size:</b>	1021 bp
<b>RefSeq ORF:</b>	489 bp
<b>Locus ID:</b>	689
<b>UniProt ID:</b>	<u><a href="#">P20290</a></u>
<b>Cytogenetics:</b>	5q13.2
<b>Domains:</b>	NAC
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in translation initiation at a downstream AUG and a protein (isoform B) with a shorter N-terminus, compared to isoform A.</p>