

## Product datasheet for MC212687

### Btf3 (NM\_145455) Mouse Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Btf3 (NM\_145455) 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: >MC212687 representing NM\_145455  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGCGACGGACGGGCGCTCCACCCAGGCGGACTCTCGGGGGCGAGGGCGAGCCAGGGGCGGCTGGCCCG  
 GGGCCGAAGCGACGCCCTCTCTCCCTCTCGCGGAAGCCGAGGACGGGAGTCTCAGATGAAAGAAACAAT  
 CATGAACCAGGAGAACTCGCCAACTGCAGGCACAAGTGCATTGGTGGAAAGGAAGTCTCGTAGG  
 AAGAAGAAGGTGGTTCACAGAACGGCCACAGCAGACGATAAGAACTGCAGTTCTCCTTAAGAAGTTAG  
 GGGTGAACAACATCTCTGGTATTGAAGAGGTGAACATGTTTACAACCAAGGAACAGTGATCCATTTTAA  
 CAACCCTAAAGTTCAGGCATCCCTGGCAGCAAACACCTTCACCATTACAGGCCACGCTGAGACAAAGCAG  
 CTGACAGAAATGCTTCCAGCATCCTCAACCAGCTTGGTGCAGACAGCCTGACTAGTTTAAAGGAGACTGG  
 CTGAAGCTCTGCCAAACAATCTGTGGATGGAAAAGCACCCCTTGCTACTGGAGAGGATGATGATGATGA  
 AGTTCCAGATCTGGTGGAGAATTTGATGAGGCTTCTAAGAATGAGGCAA**ACTGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul  
 ACCN: NM\_145455  
 Insert Size: 615 bp



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<b>OTI Disclaimer:</b>	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).
<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>NM_145455.3, NP_663430.2</u>
<b>RefSeq Size:</b>	1108 bp
<b>RefSeq ORF:</b>	615 bp
<b>Locus ID:</b>	218490
<b>UniProt ID:</b>	<u>Q64152</u>
<b>Cytogenetics:</b>	13 D1
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and it encodes the longer protein (isoform 1).</p>