

## Product datasheet for **SC104833**

### ATF3 (AB078027) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ATF3 (AB078027) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ATF3  
**Vector:** pCMV6-XL4  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**Cell Selection:** None  
**Fully Sequenced ORF:**

>OriGene ORF sequence for AB078027 edited  
ATGATGCTTCAACACCCAGGCCAGGTCTCTGCCTCGGAAGTGAGTGCTTCTGCCATCGTC  
CCCTGCCTGTCCCTCCTGGGTCACTGGTGTGGAGATTTTGCTAACCTGACGCCCTTT  
GTCAAGGAAGAGCTGAGGTTTGCCATCCAGAACAAGCACCTCTGCCACCGGATGTCCTCT  
GCGCTGGAATCAGTCACTGTGACGACAGACCCCTCGGGGTGCCATCACAAAAGCCGAG  
GTAGCCCTGAAGAAGATGAAAGGAAAAAGAGGCGACGAGAAAGAAATAAGATTGCAGCT  
GCAAAGTGCCGAAACAAGAAGAAGGAGAAGACGGAGTGCCTGCAGAAAGAGTCGGAGAAG  
CTGGAAAGTGTGAATGCTGAACTGAAGGCTCAGATTGAGGAGCTCAAGAACGAGAAGCAG  
CATTTGATATACATGCTCAACCTTCATCGGCCACGTGTATTGTCCGGGCTCAGAATGGG  
AGGACTCAGAAGATGAGAGAAACCTCTTATCCAACAGATAAAAAGAAGGAACATTGCAG  
AGCTAA

**5' Read Nucleotide Sequence:**

>OriGene 5' read for AB078027 unedited  
AAAAAGAGCGTTTCATGATTTGTATACNACTACTATAGGGCGGCCGGAATTCGCACGA  
GGCGCACTGCACAGCTCTCTCTCGCCGCGCCCGAGCGCACCTTCAGCCCGCGCGC  
CGGCCGTGAGTCTCGGTGCTCGCCCGCCGAGCAAAACAGCCCGCCGACCCCGTCC  
CGACCCTGGCCGCCCCGAGCGGAGCCTGGAGCAAATGATGCTTCAACACCCAGGCCAGG  
TCTCTGCCTCGGAAGTGAGTGCTTCTGCCATCGTCCCCTGCCTGTCCCCTCCTGGGTCA  
TGGTGTGGAGATTTTGCTAACCTGACGCCCTTTGTCAAGGAAGAGCTGAGGTTTGCCA  
TCCAGAACAAGCACCTCTGCCACCGGATGTCCTCTGCGCTGGAATCAGTCACTGTGACGG  
ACAGACCCCTCGGGGTGCCATCACAAAAGCCGAGGTAGCCCTGAAGAAGATGAAAGGA  
AAAAGAGGCGACGAGAAAGAAATAAGATTGCAGCTGCAAAGTGCCGAAACAAGAAGAAG  
AGAAGACGGAGTGCCTGCAGAAAGAGTCGGAGAAGCTGGAAGTGTGAATGCTGAACTGA  
AGGCTCAGATTGAGGAGCTCAAGAACGAGAAGCAGCATTGATATACATGCTCAACCTTC  
ATCGGCCACGTGTATTGTCCGGGCTCAGAATGGGAAGACTCCAGAAGATGAAAGAAACC  
TCTTTATCCAACAGATAAAAAGAAGGAACATTGCAGAGCTAACCAGTCTTGTTGGGGGG  
CACTGGGGGAGTCCCTCTTGAATCCTCTTTATACCCAAAACCTTGAACCATTTGGAGA  
GCTGTCTTCTGTGGACCCTCTAGAA

**Restriction Sites:** NotI-NotI



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<b>ACCN:</b>	AB078027
<b>Insert Size:</b>	2000 bp
<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>	<a href="#">AB078027.1</a> , <a href="#">BAC00496.1</a>
<b>RefSeq Size:</b>	767 bp
<b>RefSeq ORF:</b>	408 bp
<b>Locus ID:</b>	467
<b>Cytogenetics:</b>	1q32.3
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	This gene encodes a member of the mammalian activation transcription factor/cAMP responsive element-binding (CREB) protein family of transcription factors. This gene is induced by a variety of signals, including many of those encountered by cancer cells, and is involved in the complex process of cellular stress response. Multiple transcript variants encoding different isoforms have been found for this gene. It is possible that alternative splicing of this gene may be physiologically important in the regulation of target genes. [provided by RefSeq, Apr 2011]