

Product datasheet for **SC320133**

ATF3 (NM_001030287) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATF3 (NM_001030287) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATF3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_001030287.2
 CGCAGCCAGGCGCGCACTGCACAGCTCTTCTCTCGCCGCCGCCGAGCGCACCCCTTCA
 GCCCGCGCGCCGGCCGTGAGTCTCGGTGCTCGCCCGCCGCCAGACAAACAGCCCGCC
 GACCCCGTCCCGACCCCTGGCCGCCCGAGCGGAGCCTGGAGCAAATGATGCTTCAACAC
 CCAGGCCAGGTCTCTGCCTCGGAAGTGAAGTCTTCCATCGTCCCCTGCCTGTCCCCT
 CCTGGTCACTGGTGTGGAGATTTGCTAACCTGACGCCCTTGTCAAGGAAGAGCTG
 AGTTTGGCCATCCAGAACAAGCACCTCTGCCACCGGATGCCTCTGCGCTGGAATCAGTC
 ACTGTCAAGCAGACACCCCTCGGGGTGCCATCACAAAAGCCGAGGTAGCCCTGAAGAA
 GATGAAAGGAAAAAGAGGCGACGAGAAAGAAATAGATTGCAGCTGCAAAAGTCCGAAAC
 AAGAAGAAGGAGAAGACGGAGTGCCTGCAGAAAGAGTCGGAGAAGCTGGAAGTGTGAAT
 GCTGAAGTGAAGGCTCAGATTGAGGAGCTCAAGAACGAGAAGCAGCATTGATATACATG
 CTAACCTTCATCGGCCACGTGATTGTCGGGCTCAGAATGGGAGGACTCCAGAAGAT
 GAGAGAAACCTCTTATCCAACAGATAAAAGAAGGAACATTGCAGAGCTAAGCAGTCGTG
 GTATGGGGGCGACTGGGAGTCTCATTGAATCCTCATTATATACCCAAAACCTGAAGC
 CATTGGAGAGCTGTCTTCTGTGTACCTCTAGAATCCCAGCAGCAGAGAACCATCAAGGC
 GGGAGGGCCTGCAGTGATTACAGCAGGCCCTCCATTCTGCCCCAGAGTGGGTCTTGGAC
 CAGGGCAAGTGCATCTTTCCTCAACTCCAGGATTTAGGCCTTAACACTGGCCATTCT
 TATGTTCCAGATGGCCCCAGCTGGTGTCTGCCGCCTTTCATCTGGATTCTACAAAAA
 ACCAGGATGCCACCGTTAGGATTCAGGCAGCAGTGTCTGTACCTCGGGTGGGAGGGATG
 GGGCCATCTCCTTACCCTGGCTACCATTGTCACTCGTAGGGGATGTGGAGTGAGAACAG
 CATTAGTGAAGTGTGCAACGGCCAGGGTTGTGCTTCTAGCAAATATGCTGTTATGTC
 CAGAAATTGTGTGTGCAAGAAAAGTACTAGGCAATGTACTCTCCGATGTTTGTGCACAA
 CACTGATGTGACTTTTATGCTTTTTCTCAGATCTGGTTTCTAAGAGTTTTGGGGGGCG
 GGGCTGTACCACGTGCAGTATCTCAAGATATTAGGTGCCAGAGAGCTTGTGAGCAA
 GAGGAGGACAGAATTCTCCAGCGTTAACACAAAATCCATGGGCAGCATGATGGCAGGTC
 CTCTGTTGCAAACTCAGTTCAAAGTACAGGAAGAAAGCAGAAAGTTCAACTTCCAAAG
 GGTTAGGACTCTCACTCAATGTCTTAGGTGAGGAGTTGTGTCTAGGCTGGAAGACCAA
 AGAATATCCATTTCTTCTTCTGTGGTTGAAAACACAGTCAGTGGAGAGATGTTTGG
 AAACCACAGTCAGTGGAGCCTGGTGGTACCCAGGCTTAGCATTATTGGATGTCAATAG
 CATTGTTTTTGCATGTAGCTGTTTAAAGAAATCTGGCCAGGGTGTGTCAGCTGTGAG
 AAGTCACTCACACTGGCCACAAGGACGCTGGCTACTGTCTATTAATTTCTGATGTTTCT
 GTGAAATTTCTCAGAGTGTAAATTGTAATCAATGGTATCATTACAATTTTCTGTAAGAGA
 AAATATTACTTATTTATCCTAGTATTCCTAACCTGTCAGAATAATAATATTGGAACCAA
 GACATGGTAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001030287

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).

OTI Annotation: 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.

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:	<ol style="list-style-type: none">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_001030287.2 , NP_001025458.1
RefSeq Size:	1914 bp
RefSeq ORF:	546 bp
Locus ID:	467
UniProt ID:	P18847
Cytogenetics:	1q32.3
Protein Families:	Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1. Both variants 1 and 3 encode the same isoform (1), which represses rather than activates transcription from promoters with ATF-binding elements.</p>