

Product datasheet for **SC108959**

ATF3 (NM_001674) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATF3 (NM_001674) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATF3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_001674 edited
 GAATTCGGCACGAGGGCGCACTGCACAGCTCTTCTCTCGCCGCGCCCGAGCGCACCC
 TTCAGCCCGCGCGCCGGCCGTGAGTCTCGGTGCTCGCCGCGCCGAGACAAACAGCC
 GCCCGACCCCGTCCCGACCTGGCCGCCGAGCGGAGCTGGAGCAAAATGATGCTTCA
 ACACCCAGGCCAGGTCTCGCTCGGAAGTGAAGTCTTCCATCGTCCCCTGCCTGTC
 CCCTCCTGGGTCACTGGTGTGAGGATTTGCTAACCTGACGCCCTTTGTCAAGGAAGA
 GCTGAGGTTTGCCATCCAGAACAAGCACTCTGCCACCGGATGTCCTCTGCGCTGGAATC
 AGTCACTGTGAGCGACAGACCCCTCGGGGTGCCATCACAAAAGCCGAGGTAGCCCTGA
 AGAAGATGAAAGGAAAAAGAGGCGACGAGAAAAGAAATAAGATTGCAGCTGCAAAGTGCCG
 AAACAAGAAGAAGGAGAAGACGGAGTGCCTGCAGAAAGAGTCGGAGAAGCTGAAAGTGT
 GAATGCTGAACGAAGGCTCAGATTGAGGAGCTCAAGAACGAGAAGCAGCATTGATATA
 CATGCTCAACCTTCATCGGCCACGTGTATTGTCGGGCTCAGAATGGGAGGACTCCAGA
 AGATGAGAGAAACCTCTTATCCAACAGATAAAAAGAAGGAACATTGCAGAGCTAAGCAGT
 CGTGGTATGGGGCGACTGGGGAGTCTCATTGAATCCTATTTTATACCCAAAACCTG
 AAGCCATTGGAGAGCTGTCTTCTGTGTACCTCTAGAATCCAGCAGCAGAGAACCATCA
 AGGCGGGAGGGCCTGCAGTGATTGAGCAGGCCCTTCCATTCTGCCCCAGAGTGGGTCTT
 GGACCAGGGCAAGTGCATCTTTGCCTCAACTCCAGGATTTAGGCCTTAACACACTGGCCA
 TTCTTATGTTCCAGATGGCCCCAGCTGGTGTCTGCCCCGCTTTCATCTGGATTCTACA
 AAAAACAGGATGCCACCGTTAGGATTCAGGCAGCAGTGTCTGTACCTCGGGTGGGAGG
 GATGGGGCCATCTCCTTACCCTGGTACCATTGCTACTCGTAGGGGATGTGGAGTGAGA
 ACAGCATTTAGTGAAGTTGTGCAACGGCCAGGGTTGTGCTTTCTAGCAAATATGCTGTTA
 TGTCCAGAAATTTGTGTGCAAGAAAAGTGGCAATGACTCTCCGATGTTTGTGTGTCAC
 ACAACACTGATGTGACTTTTATATGCTTTTTCTCAGATCTGGTTTCTAAGAGTTTTGGGG
 GCGGGGCTGTCAACACGTGCAAGTATCTCAAGATATTCAGGTGGCCAGAAGAGCTTGTCA
 GCAAGAGGAGGACAGAATTCTCCAGCGTTAACACAAAATCCATGGGCAGCATGATGGCA
 GGTCTCTGTTGCAAACTCAGTTCCAAAGTACAGGAAGAAAGCAGAAAGTTCAACTTCC
 AAAGGGTTAGGACTCTCCACTCAATGTCTTAGGTGAGGAGTTGTGTCTAGGCTGGAAGAG
 CCAAAGAATATCCATTTTCTTCTTGTGGTTGAAAACCACAGTCAAGTGGAGAGATGT
 TTGAAACCACAGTCAAGTGGAGCCTGGGTGGTACCCAGGCTTTAGCATTATTGGATGTC
 ATAGCATTGTTTTGTCATGTAGCTGTTTTAAGAAATCTGGCCAGGGTGTGTCAGCTG
 TGAGAAGTCACTCACACTGGCCACAAGGACGCTGGCTACTGTCTATTAATTTCTGATGT
 TTCTGTGAAATCTCAGAGTGTTAATTGACTCAATGGTATCATTACAATTTTCTGTAA
 GAGAAAATATTACTTATTATCCTAGTATTCTAACCTGTCAGAATAATAAATATTGGAA
 CCAAGACATGGTAAA
 AAAAAAAAAAACTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001674 unedited
 NNGGAACCGTTCAAATTTGTAACGACTCACTATAGGGCGCCGGAATCGGCACGAGG
 GCGCACTGCACAGCTCTTCTCTCGCCGCGCCGAGCGCACCCCTCAGCCCGCGGCC
 GGCCGTGAGTCTCGGTGCTCGCCGCGCCGAGACAAACAGCCCGCCGACCCCGTCCC
 GACCTTGCCGCGCCGAGCGGAGCTGGAGCAAAATGATGCTTCAACACCCAGGCCAGGT
 CTCTGCCTCGGAAGTGAAGTCTTCTGCCATCGTCCCCTGCCTGTCCCCTCCTGGTCACT
 GGTGTTTGAGGATTTGCTAACCTGACGCCCTTGTCAAGGAAGAGCTGAGGTTTGCCAT
 CCAGAACAAGCACCTCTGCCACCGGATGTCCTCTGCGCTGGAATCAGTCACTGTGAGCGA
 CAGACCCCTCGGGGTGCCATCACAAAAGCCGAGGTAGCCCTGAAGAAGATGAAAGGAA
 AAAGAGGCGACGAGAAAAGAAATAAGATTGCAGCTGCAAAGTGCCGAAACAAGAAGGA
 GAAGACGGAGTGCCTGCAGAAAGAGTCGAGAAAGCTGGAAGTGAATGCTGAAGTGA
 GGCTCAGATTGAGGAGCTCAAGAACGAGAAGCAGCATTGATATACATGCTCAACCTTCA
 TCGGCCACGTGTATTGTCGGGCTCAGAATGGGAGGACTCCAGAAGATGAGAGAAAACCT
 CTTTATCCAACAGATAAAAAGAAGGAACATTGCAGAGCTAAGCAGTCTGTTGATGGGGCG
 ACTGGGGAGTCTCATTGAATCCTATTTTATACCCAAAACCTGAAGCCATTGGAGAGC
 TGTCTTCTGTGTACCTCTAGAATCCCGCAGCAGAGACCTAG

Cytogenetics: 1q32.3

Domains: BRLZ

Protein Families: Transcription Factors

Gene Summary: 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]

Transcript Variant: This variant (1) encodes the longest isoform (1), which represses rather than activates transcription from promoters with ATF-binding elements. Both variants 1 and 3 encode isoform 1.