

## Product datasheet for **SC214060**

### **ATF1 (NM\_005171) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	ATF1 (NM_005171) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ATF1
Synonyms:	EWS-ATF1; FUS/ATF-1; TREB36
ACCN:	NM_005171
Insert Size:	1413 bp



[View online »](#)

**Insert Sequence:** >SC214060 3'UTR clone of NM\_005171  
The sequence shown below is from the reference sequence of NM\_005171. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGGATCTTTATTCCAATAAAAGTGTTTGAATTCCTAAGAAAGAAAATATTTTTGTGGACATGCATAAAA
ATTAATGGATTTCTAGTGGAGTTTTATAAATAAAAGGTCAAACTGAAGCTTTTTATTAGGCTTT
TCCAAATCAAGGATAAATATCTTACGCACGATCTAGTGACAGAGGAGAAAAGTGGAAAATGACCTCAA
GGAAGCTACGGGCACAACTGGAAGCTTTGTAGAAATTAACATATTCAAGGAGCAAGAAATGAACCTTC
AGCAGTCTAAATTTCTAAATAACCAATAGTTGCCAATCTAAATGCGAGAGAAGATGAAATTTGATAA
ACTGAATTTTTTTAAAAATCCATTTACCTACAGTTTGCATTTGTTTGTGCTGAAATTTACCTTTTTTT
AGTTATATATATGTGTGTGTGTGTGAATTTCTGCCAATAAATCTAAATTACAAAGGTAAGAGAAA
ACCTAGTACATTACTAAATATATAAAGTATATGTTCTGATTATGTATACTTGTCTAGTGTCAAGTCTT
TTAAGTGGGTTTTTAAAGTTTGTATTGGACTTGAATGGATTTTTGAGACTAGTTAATTATTTTTG
AGGCTTATCCTAAAAGGCATCTAAGGTACATGAATGGAGTATGGTGATTTTATAACATTTTTTATCAG
AATGGAAAAAGAAGTGTAAAAGTTTGAATCTTTAAATAGTTGGTTTTTTGCTTACTCTGGTAAATG
ATTTTCTACAAATACATAATAAATGTTTTTTGAGTCTATATCTGTATGCAGTTGAATATCCATTAC
TTATTCTGCTGTGCTTTAATAGAATGGAATGTTTACAGGCCCTTAAAATATTTTTTAAAAACCTTC
TGAAGATACATACCAAAGTTTTTCCAAGAAGATTTTATAATCAATTTAATAATGTAAGGTTTATCAGAT
TCTATAATAGTATAGTTATTAAGGCAATTTTATGTTAGAGACTATTTTGAATGTAGTGAAGTGTACCT
TTATAAGAAAAGTGACTGCCAATATATTTTTATAGCTGATCTTTATAAATCTAATGTTGAGTTTTTAA
TGATTATTTTAAATGTTTATATAGTTTAGTAAAATTTGCATCTCAAAGTATCATTTTTTATATTATGGGA
CGTTTTTCAGATTGGCTAATATTTGCATTGTAAATTTTGTATGCAGTTTATCTAAAATTCAAAAACTG
TCAGTACACCAGCGTTTAAACATCTATATCCAATTTGTATACAGTTTAAAATTTGACTGCAAACTATT
GTGTGCTCTTACACAGTATGCATCATATTGTTGTCTGTGAAATTAAGGACATTTGATAGTCTACTGAA
TGTAATAATAATGCTTGGTATATGAATGATAA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_005171.5](#)

**Summary:**

This gene encodes an activating transcription factor, which belongs to the ATF subfamily and bZIP (basic-region leucine zipper) family. It influences cellular physiologic processes by regulating the expression of downstream target genes, which are related to growth, survival, and other cellular activities. This protein is phosphorylated at serine 63 in its kinase-inducible domain by serine/threonine kinases, cAMP-dependent protein kinase A, calmodulin-dependent protein kinase I/II, mitogen- and stress-activated protein kinase and cyclin-dependent kinase 3 (cdk-3). Its phosphorylation enhances its transactivation and transcriptional activities, and enhances cell transformation. Fusion of this gene and FUS on chromosome 16 or EWSR1 on chromosome 22 induced by translocation generates chimeric proteins in angiomatoid fibrous histiocytoma and clear cell sarcoma. This gene has a pseudogene on chromosome 6. [provided by RefSeq, Aug 2010]

**Locus ID:**

466

**MW:**

56.7