

Product datasheet for **SC204482**

ATF2 (NM_001880) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ATF2 (NM_001880) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	ATF2
Synonyms:	CRE-BP1; CREB-2; CREB2; HB16; TREB7
ACCN:	NM_001880
Insert Size:	2000 bp



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Insert Sequence: >SC204482 3'UTR clone of NM_001880
 The sequence shown below is from the reference sequence of NM_001880. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCCTCCCAGTCACAGCCCTCAGGAAGTGTATTAAAAACCTGCAGTACAACAGTTTTAGATACTCATTAG
TGACTTCAAAGGAAATCAAGGAAAGACCAAGTTCCATTATGCGAAATCTGTGGTTGTAATTTTTTTT
TTTTACTTGAAATTAATTTGGCTCTAAAGTTGGTGTAGCAGCAGTTGATCAGACTGAAAAACGGTTT
TTAGTCTCTGAAAAAGACTGATTTTGCTTTTTTATAAATATTATTAGATTTATTAATTTTTCTGTGC
TCAATGTGTAAATGTATTATAATTCATTGTGATTTATTTCACTTTAATTTGCTGGTGTTTAATAAAA
TGGGGGTGTTACTGAATCTTCTCCCACTTCCATTTCTTTGACCACCCTTAACCCTCAACTGTGAC
GGTAGTAGTATTATCATTATACCAAAGTTTTGCATAGTCCCTGTTGACTTTGTAATGTTAACGGAGTC
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TGCAAAAGGAAAAACATTAAGAACACTTTTTTTAAGTGAGTGAACATGGTAAAGACATACAGTGC
TTTTATGCACATTGTTAAGCTAAATCAAGGTCATTTATAATCATTTCCTTTTTTATTTAAGATTTAA
GTAACAAATTTTAGAATTTTCAGCATTCAAAAAATGATTTTATTTTCAAGTCTAAATTCATATTTT
TACACCTATGTTTTGAGGCTAAAAATAGAAATATATAATGTATGATACAGGGTTATCAAAATCTAA
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CTTTTAGTAGCAATTTTGATAATGTTTCTCGTGAAAAAAAATCAGTATCTATCTTTAGAACAAATGT
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ATGAGACTGACATTTTAAAAGTCTGTATGGAATATCCTTGATAATTCAAGGAAATATCCCTCCTGCCTA
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AATTTTATTGTTTTGCTTTTTAAAATGAGAGCATTTTTATTTGATAATTTTTTTAAATTTTTAATTTT
TAACTAATTTTATTATTTTAAAGTAATCAGTTTTTCAAATCATGATTTTGATATCATTATTTCAAGGAG
TTATCTCAAAGGCACAAAATATGAATCTGCAAGAAGGCTATTTTTTATTGTAGTTTGAATGGGTTAG
ACGCGT AAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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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_001880.4](#)

Summary: This gene encodes a transcription factor that is a member of the leucine zipper family of DNA binding proteins. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. This protein binds to the cAMP-responsive element (CRE), an octameric palindrome. It forms a homodimer or a heterodimer with c-Jun and stimulates CRE-dependent transcription. This protein is also a histone acetyltransferase (HAT) that specifically acetylates histones H2B and H4 in vitro; thus it may represent a class of sequence-specific factors that activate transcription by direct effects on chromatin components. The encoded protein may also be involved in cell's DNA damage response independent of its role in transcriptional regulation. Several alternatively spliced transcript variants have been found for this gene [provided by RefSeq, Jan 2014]

Locus ID: 1386

MW: 77.6