

Product datasheet for **SC310340**

ATF7 (NM_006856) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATF7 (NM_006856) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATF7
Synonyms:	ATFA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310340 representing NM_006856.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCACGATCGCC
ATGGGAGACGACAGACCGTTTGTGTGCAATGCCCGGGCTGTGGACAGAGATTTACAAACGAGGACCAC
CTGGCAGTTTCATAAACACAAGCATGAGATGACATTGAAATTTGGCCAGCCGAAGTCACTCAGTCATC
ATTGCAGATCAAACGCCTACTCCAAGTATCCCTGAAGAAGTGTGAGGAGGTGGGACTCTCAATGAA
CTAGCTAGCTCCTTTGAACATGAATCAAGAAAGCTGCAGATGAGGATGAGAAAAAGGCTGCTGCTGGG
CCCCTTGACATGTCTCTGCCTTCCACACCAGACATCAAAATCAAAGAAGAAGAGCCAGTGGAGGTAGAC
TCATCCCCACCTGATAGCCCTGCCTCTAGTCCCTGTTCCCAACCACTGAAGGAGAAGGAGGTTACCCCA
AAGCCTGTTCTGATCTCTACCCCAACCCACCATTGTACGTCTGGCTCCCTGCCTCTCCACTTGGGC
TATGATCCACTTCATCAACCCTCCCTCCCAACCTCTGTCATCACACAGGCTCCACCATCCAACAGG
CAAATGGGGTCTCCACTGGCTCCCTCCCTCTTGTGATGATCTTGTCTAATGGACAGACCATGCCTGTG
TTGCCAGGGCTCCAGTACAGATGCCGTCTGTTATATCGCTGGCCAGACCTGTGTCCATGGTGCCCAAC
ATTCTGTGATCCCTGGCCACCAAGTAAACAGTGTGGCTCCATTCTCCCTCTGGCCACCCATATACCA
TCAGAAGCCAAGATGAGACTGAAAGCCACCCCTAACTACCAAGTCTCTCAATCAATGGTGGTTGTGGA
ATGGTGGTGGGTACTGCCAGCACCATGGTGACAGCCCGCCAGAGCAGAGCCAGATTCTCATCCAGCAC
CCTGATGCCCCATCCCCTGCCAGCCACAGGTCTCACCAGCTCAGCCACCCCTAGTACTGGGGGGCGA
CGGCGGCGCACAGTAGATGAAGATCCAGATGAGCGACGGCAGCGCTTTCTGGAGCGCAACCGGGCTGCA
GCCTCCCGCTGCCGCAAAAGCGAAAGCTGTGGGTGTCTCCCTAGAGAAGAAGGCCGAAGAAGTCACT
TCTCAGAACATTCAGTGTGATGAAGTCACTACTACGCAATGAGGTGGCCAGTTGAAACAGCTA
CTGTTAGCTCATAAAGACTGCCAGTCACTGCACTACAGAAAAAGACTCAAGGCTATTTAGAAAGCCCC
AAGGAAAGCTCAGAGCCAACGGGTTCTCCAGCCCTGTGATTACGACAGCTCAGCAACAGCCCTAGC
AATGGCCTCAGTGTTCGCTCTGCAGCTGAAGCTGTGGCCACCTCGGTCTCACTCAGATGGCCAGCCAA
AGGACAGAAGTGAAGTACGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATG
TGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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- Restriction Sites:** SgfI-MluI
- Plasmid Map:** □
- ACCN:** NM_006856
- Insert Size:** 1452 bp
- 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:

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_006856.2](#)

RefSeq Size: 6704 bp

RefSeq ORF: 1452 bp

Locus ID: 11016

UniProt ID: [P17544](#)

Cytogenetics: 12q13.13

Domains: BRLZ, zf-C2H2

Protein Families: Transcription Factors

MW: 51.8 kDa

Gene Summary: Plays important functions in early cell signaling. Binds the cAMP response element (CRE) (consensus: 5'-GTGACGT[AG][AG]-3'), a sequence present in many viral and cellular promoters. Activator of the NF-ELAM1/delta-A site of the E-selectin promoter. Has no intrinsic transcriptional activity, but activates transcription on formation of JUN or FOS heterodimers. Also can bind TRE promoter sequences when heterodimerized with members of the JUN family.[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2), as well as variants 8 and 9, encodes isoform 2 (also known as ATFa2). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The extent of this transcript is supported by transcript alignments.