

Product datasheet for **RC225780**

ATF7 (NM_001130060) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATF7 (NM_001130060) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ATF7
Synonyms:	ATFA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC225780 representing NM_001130060
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAGACGACAGACCGTTTGTGTGCAATGCCCCGGGCTGTGGACAGAGATTTACAACGAGGACCACC
 TGGCAGTTCATAAACACAAGCATGAGATGACATTGAAATTTGGCCAGCCGAAGTACTGACTCAGTCATCAT
 TGCAGATCAAACGCCTACTCCAAGTATGCTGAAGAACTGTGAGGAGGTGGGACTCTTCAATGAACTA
 GCTAGCTCCTTTGAACATGAATCAAGAAAGCTGCAGATGAGGATGAGAAAAAGGCTGCTGCTGGGCCCC
 TTGACATGTCTCTGCCTCCACACCAGACATCAAATCAAAGAAGAAGAGCCAGTGGAGGAGTTACCCC
 AAAGCCTGTTCTGATCTTACCCCCACACCACCATTGTACGCTCGGCTCCCTGCCTCTCCACTTGGGC
 TATGATCCACTTCATCAACCTTCCCTCCCAACCTCTGTCATCACACAGGCTCCACCATCCAACAGGC
 AAATGGGGTCTCCACTGGCTCCCTCCCTCTTGTGATGCATCTTGCTAATGGACAGACCATGCCTGTGT
 GCCAGGGCTCCAGTACAGATGCCGTCTGTTATATCGCTGGCCAGACCTGTGTCCATGGTGCCTAACATT
 CCTGGTATCCCTGGCCACCAGTAAACAGTAGTGGCTCCATTTCTCCCTCTGGCCACCCTATACCATCAG
 AAGCCAAGATGAGACTGAAAGCCACCCTAACTACCAAGTCTCCTCAATCAATGGTGGTGTGGAATGGT
 GGTGGGTACTGCCAGCACCATGGTGACAGCCCGCCAGAGCAGAGCCAGATTCTCATCCAGCACCCTGAT
 GCCCATCCCCTGCCAGCCACAGGTCTCACCAGCTCAGCCACCCTAGTACTGGGGGGCAGCGGGC
 GCACAGTAGATGAAGATCCAGATGAGCGACGGCAGCGCTTTCTGGAGCGCAACCGGGCTGCAGCCTCCC
 CTGCCGCCAAAAGCGAAAGCTGTGGGTGCTCCTCCCTAGAGAAGAAGGCCGAAGAAGTCACTTCTCAGA
 ATTCAGCTGAGTAATGAAGTACATTACTACGCAATGAGGTGGCCAGTTGAAACAGTACTGTTAGCTC
 ATAAAGACTGCCAGTCACTGCCTACAGAAAAAGACTCAAGGCTATTTAGAAAGCCCAAGGAAAGCTC
 AGAGCCAACGGGTTCTCCAGCCCTGTGATTGAGCAGCTCAGCAACAGCCCTAGCAATGGCCTCAGT
 GTTCGCTCTGAGCTGAAGCTGTGGCCACTCGGTCTCACTCAGATGGCCAGCCAAAGGACAGAAGTGA
 GCATGCCGATACAATCGCATGTAATCATGACCCACAGTCCAGTCTGCGGGCAGA

ACGCGTACGCGGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC225780 representing NM_001130060
 Red=Cloning site Green=Tags(s)

MGDDRPVFCNAPGCGQRFNEDHLAVHKKHEMTLKFGPARTDSVIIADQTPTRFLKNCEEVGLFNEL
 ASSFEHEFKAAEDEKKAAGPLDMSLPSTPDIKIKEEPEVEEVPKPVLISTPTPTIVRPGSLPLHLG
 YDPLHPTLPSPTSVITQAPPSNRQMGSPGTGSLPLVMHLANGQTMPVLPGPPVQMPVSVISLARPVSMVPNI
 PGIPGPPVNSSGSI SP SGHPI PSEAKMRLKATLTHQVSSINGGCMVVGTA STMVTARPEQSQILIQHPD
 APSPAQPQVSPAQPTSTGGRRRTVDEDPDERRQRFLEARNRAAASRCRQKRKLWVSSLEKKAEEELTSQN
 IQLSNEVTLRNEVAQLKQLLLAHKDCPVTAALQKKTQGYLESPEKSEPTGSPAPVIQHSSATAPSNGLS
 VRSAEA VATS VLTQMASQRTELSMPIQSHVIMTPQSQSAGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/ja1502_e06.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:

ACCN: NM_001130060

ORF Size: 1386 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001130060.2](#)
RefSeq ORF: 1389 bp

Locus ID: 11016

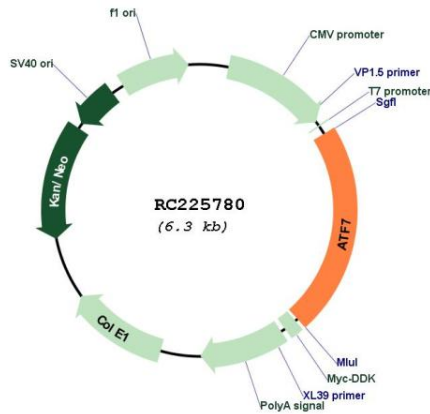
UniProt ID: [P17544](#)
Cytogenetics: 12q13.13

Protein Families: Transcription Factors

MW: 49.5 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]

Product images:



Circular map for RC225780