

Product datasheet for **RG216022**

ATF7 (NM_006856) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATF7 (NM_006856) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ATF7
Synonyms:	ATFA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG216022 representing NM_006856
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGAGACGACAGACCGTTTGTGTGCAATGCCCGGGCTGTGGACAGAGATTTACAACGAGGACCACC
 TGGCAGTTCATAAACACAAAGCATGAGATGACATTGAAATTTGGCCAGCCGAAGTGAAGTCAATCAT
 TGCAGATCAAACGCCTACTCCAAGTATTCCTGAAGAAGTGTGAGGAGGTGGGACTCTTCAATGAAGT
 GCTAGCTCCTTTGAACATGAATCAAGAAAGCTGCAGATGAGGATGAGAAAAAGGCTGCTGCTGGGCCCC
 TTGACATGTCTCTGCCTCCACACCAGACATCAAATCAAAGAAGAAGAGCCAGTGGAGGTAGACTCATC
 CCCACCTGATAGCCCTGCCTCTAGTCCCTGTTCCCCACCACTGAAGGAGAAGGAGGTTACCCCAAAGCT
 GTTCTGATCTCTACCCACACCCACCATTGTACGTCTGGCTCCCTGCCTCTCCACTTGGGCTATGATC
 CACTTCATCCAACCTTCCCTCCCAACCTCTGTCATCACACAGGCTCCACCATCAAACAGGCAAATGGG
 GTCTCCCACTGGCTCCCTCCCTCTGTGATGATCTTGTCAATGGACAGACCATGCCTGTGTTGCCAGGG
 CCTCCAGTACAGATGCCGCTGTATATCGCTGGCCAGACCTGTGTCCATGGTGCCTCAACATTCTGGTA
 TCCTGGCCACCAAGTAAACAGTAGTGGCTCCATTTCTCCCTCTGGCCACCCATACCATCAGAAGCCAA
 GATGAGACTGAAAGCCACCCTAACTCACCAGTCTCCTCAATCAATGGTGGTGTGGAATGGTGGTGGGT
 ACTGCCAGCACCATGGTACAGCCCGCCAGAGCAGAGCCAGATTCTCATCCAGCACCCTGATGCCCAT
 CCCCTGCCAGCCACAGGTCTCACCAGCTCAGCCACCCCTAGTACTGGGGGGCAGCGCGGCACAGT
 AGATGAAGATCCAGATGAGCGACGGCAGCGCTTCTGGAGCGCAACCGGGCTGCAGCCTCCCGTGGCCG
 CAAAAGCGAAAGCTGTGGGTGTCTCCCTAGAGAAGAAGGCCGAAGAAGTCACTTCTCAGAATCAGC
 TGAGTAATGAAGTACATTACTACGCAATGAGGTGGCCAGTTGAAACAGCTACTGTTAGTCAATAAGA
 CTGCCCAGTCACTGCACTACAGAAAAAGACTCAAGGCTATTTAGAAAGCCCAAGGAAAGCTCAGAGCCA
 ACGGGTCTCCAGCCCTGTGATTCAGCACAGCTCAGCAACAGCCCTAGCAATGGCCTCAGTGTTCGCT
 CTGCGAGCTGAAGCTGTGGCCACCTCGGTCTCACTCAGATGGCCAGCCAAAGGACAGAAGTGAAGTGC
 GATACAATCGCATGTAATCATGACCCACAGTCCAGTCTGCGGGCAGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG216022 representing NM_006856
 Red=Cloning site Green=Tags(s)

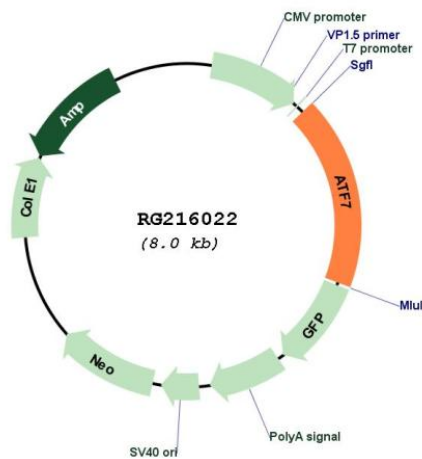
MGDDRPVFCNAPGCGQRFNEDHLAVHKHKHEMTLKFGPARTDSVIIADQTPTRFLKNCEEVGLFNEL
 ASSFEHEFKAAEDEKKAAGPLDMSLPSTPDIKIKEEPEVEVDSSPPDSPASSPCSPPLKEKEVTPKP
 VLISTPTPTIVRPGSLPLHLGYDPLHPTLPSTSVITQAPPSNRQMGSPGSLPLVMHLANGQTMPVLP
 PPVQMPVSVISLARPVSMVNPINIPGPPVNSGSI SP SGHPIPSEAKMRLKATLTHQVSSINGGCGMVV
 TASTMVTARPEQSQILIQHPDAPSPAQPQVSPAQPTPSTGGRRRTVDEDPDERRQRFLERNRAAASRCR
 QKRKLWVSSLEKKAEEELTSQNIQLSNEVTLRNEVAQLKQLLLAHKDCPV TALQKKTQGYLES PKESSEP
 TGSPAPVIQHSSATAPSNGLSVRSAAEAVATSVLTQMASQRTELSMPIQSHVIMTPQSQSAGR

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_006856

ORF Size: 1449 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:	<ol style="list-style-type: none">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_006856.3
RefSeq Size:	2758 bp
RefSeq ORF:	1452 bp
Locus ID:	11016
UniProt ID:	P17544
Cytogenetics:	12q13.13
Domains:	BRLZ, zf-C2H2
Protein Families:	Transcription Factors
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]