

Product datasheet for **RG225780**

ATF7 (NM_001130060) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATF7 (NM_001130060) 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:

>RG225780 representing NM_001130060
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGAGACGACAGACCGTTTGTGTGCAATGCCCCGGGCTGTGGACAGAGATTTACAACGAGGACCACC
 TGGCAGTTCATAAACACAAGCATGAGATGACATTGAAATTTGGCCAGCCGAAGCTGACTCAGTCATCAT
 TGCAGATCAAACGCCTACTCCAAGTATGCTGAAAGAACTGTGAGGAGGTGGGACTCTTCAATGAAC
 GCTAGCTCCTTTGAACATGAATCAAGAAAGCTGCAGATGAGGATGAGAAAAAGGCTGCTGCTGGCCCC
 TTGACATGTCTCTGCCTCCACACCAGACATCAAATCAAAGAAGAAGAGCCAGTGGAGGAGTTACCCC
 AAAGCCTGTTCTGATCTTACCCACACACCATTGTACGCTCGCTCCCTGCCTCTCCACTTGGGC
 TATGATCCACTTCATCAACCTTCCCTCCCAACCTCTGTCATCACACAGGCTCCACCATCCAACAGGC
 AAATGGGGTCTCCACTGGCTCCCTCCCTTTGTCATGCATCTTGCTAATGGACAGACCATGCCTGTGT
 GCCAGGGCTCCAGTACAGATGCCGTCTGTTATATCGCTGGCCAGACCTGTGTCCATGGTCCCAACATT
 CCTGGTATCCCTGGCCACCAGTTAACAGTAGTGGCTCCATTTCTCCCTCTGGCCACCCTATACCATCAG
 AAGCCAAGATGAGACTGAAAGCCACCCTAACTACCAAGTCTCCTCAATCAATGGTGGTGTGGAATGGT
 GGTGGTACTGCCAGCACCATGGTGACAGCCCGCCAGAGCAGAGCCAGATTCTCATCCAGCACCCTGAT
 GCCCATCCCCTGCCAGCCACAGGTCTCACCAGCTCAGCCACCCTAGTACTGGGGGGCAGCGGGC
 GCACAGTAGATGAAGATCCAGATGAGCGACGGCAGCGCTTTCTGGAGCGCAACCGGGCTGCAGCCTCCC
 CTGCCGCCAAAAGCGAAAGCTGTGGGTGCTCCTCCCTAGAGAAGAAGGCCGAAGAAGTCACTTCTCAGA
 ATTCAGCTGAGTAATGAAGTACATTACTACGCAATGAGGTGGCCAGTTGAAACAGTACTGTTAGCTC
 ATAAAGACTGCCAGTCACTGCCTACAGAAAAAGACTCAAGGCTATTTAGAAAGCCCCAAGGAAAGCTC
 AGAGCCAACGGGTTCTCCAGCCCTGTGATTACAGCACAGCTCAGCAACAGCCCTAGCAATGGCCTCAGT
 GTTCGCTCTGCAGCTGAAGCTGTGGCCACTCGGTCTCACTCAGATGGCCAGCCAAAGGACAGAAGTGA
 GCATGCCGATACAATCGCATGTAATCATGACCCACAGTCCAGTCTGCGGGCAGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG225780 representing NM_001130060
 Red=Cloning site Green=Tags(s)

MGDDRPVFCNAPGCGQRFVNEDHLAVHKHKHEMTLKFGPARTDSVIIADQTPTRFLKNCEEVGLFNEL
 ASSFEHEFKAADEDEKKAAGPLDMSLPSTPDIKIKEEEPVVEEVPKPVLISTPTPTIVRPGSLPLHLG
 YDPLHPTLPSPTSVITQAPPSNRQMGSPGTGSLPLVMHLANGQTMPVLPGPPVQMPVSVISLARPVSMVNI
 PGIPGPPVNSSGSI SP SGHPIPSEAKMRLKATLTHQVSSINGCGMVVGTASTMVTARPEQSQILIQHPD
 APSPAQPQVSPAQPTPSTGGRRRTVDEDPDERRQRFLERNRAAASRCRQKRKLWVSSLEKKAELTSQN
 IQLSNEVTLLRNEVAQLKQLLLAHKDCPVTAALQKKTQGYLESPKESSEPTGSPAPVIQHSSATAPSNGLS
 VRSAAEAVATSVLTQMASQRTELSMPIQSHVIMTPQSQSAGR

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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_001130060.2
RefSeq Size:	6641 bp
RefSeq ORF:	1389 bp
Locus ID:	11016
UniProt ID:	P17544
Cytogenetics:	12q13.13
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]