

## Product datasheet for **RG231699**

### ATF7 (NM\_001206683) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ATF7 (NM\_001206683) 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)  
**ORF Nucleotide Sequence:** >RG231699 representing NM\_001206683  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAGACGACAGACCGTTTGTGTGCAATGCCCGGGCTGTGGACAGAGATTTACAAACGAGGACCACC  
TGGCAGTTCATAAACACAAGCATGAGATGACATTGAAATTTGGCCAGCCCGAAGTACTCAGTCATCAT  
TGCAGATCAAACGCCTACTCCAAGTATTCTGAAGAACTGTGAGGAGGTGGGACTCTTCAATGAAGT  
GCTAGCTCCTTTGAACATGAATTCAAGAAAGCTGCAGATGAGGATGAGAAAAAGCAAGAAGCAGGACTG  
TTGCCAAAAAAGTGGTGTATTAGACCTAGGCTATTTTTATTGTGCTTTGGGATAATTTCTTAATTGG  
T

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG231699 representing NM\_001206683  
Red=Cloning site Green=Tags(s)  
MGDDRRPFVCNAPGCGQRFNEDHLAVHKHKHEMTLKFPGPARTDSVIIADQTPTRFLKNCEEVGLFNEL  
ASSFEHEFKAADEDEKKARSRTVAKKLVVFRPRLFLLCFGIIFLIG

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-Mlul



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<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001206683.1</a> , <a href="#">NP_001193612.1</a>
<b>RefSeq Size:</b>	776 bp
<b>RefSeq ORF:</b>	354 bp
<b>Locus ID:</b>	11016
<b>UniProt ID:</b>	<a href="#">P17544</a>
<b>Cytogenetics:</b>	12q13.13
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	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]