

## Product datasheet for **RC231648**

### ATF3 (NM\_001206486) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ATF3 (NM\_001206486) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** ATF3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC231648 representing NM\_001206486  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGCTTCAACACCCAGGCCAGGTCTCTGCCTCGGAAGAAGAGCTGAGGTTTGCCATCCAGAACAAGC  
ACCTCTGCCACCGGATGTCCTCTGCGCTGGAATCAGTCACTGTCAGCGACAGACCCTCGGGGTGCCAT  
CACAAAAGCCGAGGTAGCCCTGAAGAAGATGAAAGGAAAAGAGGCGACGAGAAAGAAATAAGATTGCA  
GCTGCAAAGTGCCGAAACAAGAAGAAGGAGAAGACGGAGTGCCTGCAGAACTCCCAAGGCCCTTTGGG  
TCCAGAAGACCTGCATATGGGCTTTGACTCATGCAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC231648 representing NM\_001206486  
Red=Cloning site Green=Tags(s)

MMLQHPGQVSASEEELRF AIQNKHLCHRMSALESVTVSDRPLGVSITKAEVAPEEDERKKRRRERNKIA  
AAKCRNKKKEKTECLQKLPRPFVWQKTCIWAVDSC

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001206486

**ORF Size:** 318 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.

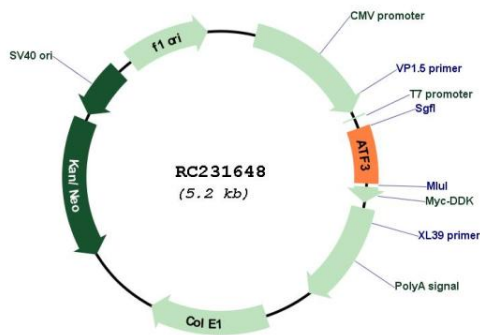
**RefSeq:** [NM\\_001206486.2](#), [NP\\_001193415.1](#)

**RefSeq Size:** 2010 bp

**RefSeq ORF:** 321 bp  
**Locus ID:** 467  
**UniProt ID:** [P18847](#)  
**Cytogenetics:** 1q32.3  
**Protein Families:** Transcription Factors  
**MW:** 12.7 kDa

**Gene Summary:** This gene encodes a member of the mammalian activation transcription factor/cAMP responsive element-binding (CREB) protein family of transcription factors. This gene is induced by a variety of signals, including many of those encountered by cancer cells, and is involved in the complex process of cellular stress response. Multiple transcript variants encoding different isoforms have been found for this gene. It is possible that alternative splicing of this gene may be physiologically important in the regulation of target genes. [provided by RefSeq, Apr 2011]

### Product images:



Circular map for RC231648