

Product datasheet for **RC231726**

ATF3 (NM_001206484) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ATF3 (NM_001206484) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: ATF3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC231726 representing NM_001206484
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCTCTGCGCTGGAATCAGTCACTGTGACGACAGACCCCTCGGGGTGCCATCACAAAAGCCGAGG
TAGCCCTGAAGAAGATGAAAGGAAAAAGAGCGACGAGAAAGAAATAAGATTGCAGCTGCAAAGTGCCG
AAACAAGAAGAAGGAGAAGACGGAGTGCCTGCAGAAAGAGTCGGAGAAGCTGGAAAGTGTGAATGCTGAA
CTGAAGGCTCAGATTGAGGAGCTCAAGAACGAGAAGCAGCATTTGATATACATGCTCAACCTTCATCGGC
CCACGTGTATTGTCCGGGCTCAGAATGGGAGGACTCCAGAAGATGAGAGAAACCTTTTATCCAACAGAT
AAAAGAAGGAACATTGCAGAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231726 representing NM_001206484
Red=Cloning site **Green**=Tags(s)

MSSALESVTVSDRPLGVSITKAEVAPEEDERKKRRRERENKIAAAKCRNKKKEKTECLQKESEKLESVNAE
LKAQIEELKNEKQLIYMLNLHRPTCIVRAQNGRTPEDERNLFIQQIKEGTLQS

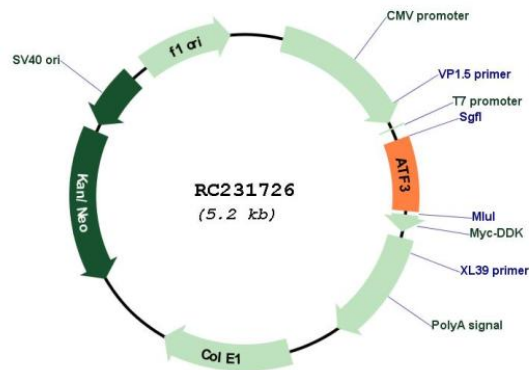
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001206484

ORF Size: 372 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_001206484.3
RefSeq Size:	2048 bp
RefSeq ORF:	375 bp
Locus ID:	467
UniProt ID:	P18847
Cytogenetics:	1q32.3
Protein Families:	Transcription Factors
MW:	14.8 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]