

Product datasheet for **RG215620**

ATF3 (NM_001040619) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ATF3 (NM_001040619) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: ATF3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG215620 representing NM_001040619
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGCTTCAACACCCAGGCCAGGTCTCTGCCTCGGAAGTGAGTGCTTCTGCCATCGTCCCCTGCCTGT
CCCCTCTGGGTCACTGGTGTGGAGGATTTGCTAACCTGACGCCCTTTGTCAAGGAAGAGCTGAGGTT
TGCCATCCAGAACAAGCACCTCTGCCACCGGATGCCTCTGCGCTGGAATCAGTCACTGTCAGCGACAGA
CCCCTCGGGTGTCCATCACAAAAGCCGAGGTAGCCCCGAAGAAGATGAAAGGAAAAAGAGGCGACGAG
AAAGAAAATAAGATTGCAGCTGCAAAGTGCCGAAACAAGAAGAAGGAGAAGACGGAGTGCCTGCAGAACT
CCCAAGGCCCTTTGGGTCCAGAAGACCTGCATATGGGCTGTTGACTCATGCAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG215620 representing NM_001040619
Red=Cloning site Green=Tags(s)

MMLQHPGQVSASEVSASAIIVPCLSPPGSLVFEDFANLTPFVKEELRFQNKHLCHRMSSALESVTVSDR
PLGVSITKAIEVAPEEDERKRRRERNKIAAAKCRNKKKEKTECLQKLPRPFVWQKTCIWAVDSC

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001040619

ORF Size: 405 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.

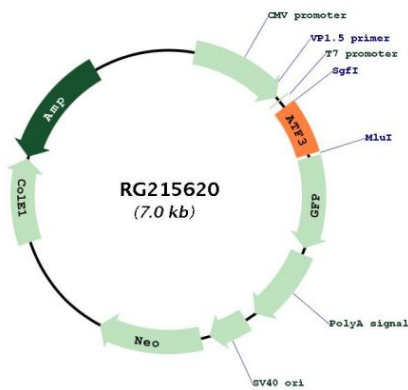
RefSeq: [NM_001040619.3](#)

RefSeq Size: 2361 bp

RefSeq ORF: 408 bp
Locus ID: 467
UniProt ID: [P18847](#)
Cytogenetics: 1q32.3
Protein Families: Transcription Factors

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 RG215620