

Product datasheet for **RR213096**

Atf5 (NM_172336) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atf5 (NM_172336) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Atf5
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213096 representing NM_172336
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCACTCTGGCGACCCTGGGACTGGAGCTGGACAGGGCCCTGCTCCCAGCTAGCGGGCTGGGCTGGC
TCGTAGACTATGGGAACTCCCCCTGGCCCTGCCCCCTGGGCCCTATGAGGTCCTTGGGGGTGCCCT
GGAGGGCGGGCTTCCAGGGGGGGAGAGCCCCTGGCAGGTGACGGCTTCTCTGATTGGATGACCGAGCGG
GTGGACTTCACAGCCCTCCTTCTCTGGAGGCCCTCTGCCCCAGGCACTCTCCCCCACCTCCCCTG
CCCCCTGACCTGGAAGCCATGGCATCCCTACTCAAGAAGGAGCTAGAACAGATGGAAGACTTCTTCT
TGATGCCCACTCCTTCCACCGCCCTCCCCACCTCACCCCAACCCAGCACCTCTCTGCCCTGCC
TTACCCTTGCCACCTTTGATCTCCCGCAGCCTCCTACCCTGGATACCCTGGACTTGCTAGCTGTTACT
GCCGAGTGAGGCTGGCCAGGGGATTGAGGCTTGACAACCTGCCTGTCCCCAGCAGCCTCCTCCTCT
GGCCCTCTGCCTTACCCTCCGACCAGCCCCATCCTAGTCTGCCAGACCCGAGGGGACCGCAAG
CAAAGAAGAGAGACCAGAATAAGTCAGCTGCTCTCAGGTACCGCAGAGGAAGCGGCAGAGGGCGAGG
CCCTGGAGGGCGAGTGCCAAGGGCTAGAGGCGCGAATCGGGAGCTGAGGGAGAGGGCAGAGTCAGTGGA
ACGGGAGATCCAGTATGTGAAGGATCTGCTAATTGAGGTGTATAAGGCACGAAGCCAGAGGACCCGCA
GCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR213096 representing NM_172336
 Red=Cloning site Green=Tags(s)

MSLLATLGLLEDRALLPASGLGWLVDYGKLLAPAPLGPYEVLLGGALEGGLPGGGEPLAGDGFSDWMTER
 VDF TALLPLEAPLPPGTLPPSPAPPDLEAMASLLKKELEQMEDFFLDAPLLPPSPPPPPPPAPSLPLP
 LPLPTFDLPQPPTLDTLLAVYCRSEAGPGDGLTTLVPPQPPPLAPLPSRSPAPYPSASTRGRDK
 QKKRDQNKSAALRYRQRKRAEGEALGECQGLEARNRELREAEVEREIQYVKDLLIEVYKARSQRTRS
 A

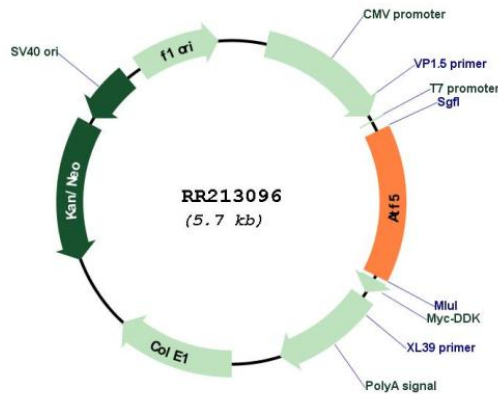
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_172336

ORF Size:	843 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_172336.3 , NP_758839.3
RefSeq Size:	1034 bp
RefSeq ORF:	846 bp
Locus ID:	282840
UniProt ID:	Q6P788
Cytogenetics:	1q22
MW:	30.2 kDa
Gene Summary:	plays a role in inhibition of nerve growth factor-induced neuronal outgrowth and regulation of neurogenesis [RGD, Feb 2006]