

Product datasheet for **RR208567**

Atf7 (NM_001108115) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atf7 (NM_001108115) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Atf7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR208567 representing NM_001108115
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGAGACGACAGACCGTTTGTGTGCAGTGCCCGAGGCTGTGGACAGAGATTTACAATGAGGACCACC
 TGGCAGTTCATAAACATAAGCATGAGATGACCCTGAAGTTCGGCCCGGCCGACGGACTCTGTCATCAT
 TGCAGATCAAACACCTACTCCAACAAGATTCTGAAGAACTGTGAGGAGGTGGGGCTCTTCAATGAATTA
 GCTAGTTCCTTTGAACATGAATTAAGAAAGCTTCTGATGATGATGAAAAAAGGCAAGTAGTGCTGCTG
 GGCCTCTAGACATGTCTCTGCCTTCTACACCAGACATCAAAGTCAAGGAGGAAGGCCAGTGAGGTGGA
 CTCATCACCCCGACAGTCTGCTTCTGCCCTGCTCCCGCCACTGAAAGACAAGGAAGTTGCCACA
 AAACCTGTTGTGATCTTACCCCTACCCACCATCGTACGTCTGGCTCCCTGCCTCTGCACCTTAGGTT
 ATGATCCACTTCACTCAACTCTTCTTCCCAACCTCTGTATCACACAGGCTCCACCATCCAACAGGCA
 AATAGGATCTCCTACTGGCTCCCTCCCTCTCGTATGCATCTTGTAATGGACAGACCATGCCAATGCTG
 CCAGGGCCTCCAGTACAGATGCCTTCTGTTATTTTCGCTGGCCAGACCTGTTTCCATGGTGCCCAACATTC
 CTGGTATACCTGGCCACCAGTTAAACAATAGTGGCTCTATTTCTCCCTCTGGCCACCCTATGCCGTGAGA
 AGCCAAAATGAGACTAAAAGCCACATTGACCCACCAAGTTTCTTCAATCAATGGAGTGTGGAATGGTG
 GTAGGCACTGCAAGCACCATGGTGACAGCCCGTCCAGAGCAGAACCAGATCCCTATCCAGCACCCGGATG
 CCCATCCCTGCCAGCCACAGGTGTCTCCAGCTCAGCCACCCTAGCACAGGGGACGGCGTCGGCG
 CACAGTGGATGAAGATCCAGATGAGCGGCGCAGCGATTTTTAGAGCGGAACAGAGCTGCAGCCTCCCGA
 TGCCGCCAAAAGCGAAAGCTGTGGGTCTCTCCCTGAAAAGAAGGCAGAAGAAGTACTTCTCAGAACA
 TTCAGCTGAGTAATGAAGTCACATTACTACGCAATGAGGTGGCTCAGTTGAAACAGCTACTGTTAGCTCA
 TAAAGACTGCCAGTCACTGCACACTACAGAAAAGACTCAAGGCTACCTAGAAAAGTCCCAAGGAAAGCTCA
 GAGCCAACGGTTTCTCCAGCCCAAGTGATTGAGCAGAGTCCGCAACAGCCCTAGCAATGGCCTTAGTG
 TTCGATCTGCAGCTGAAGCTGTGGCCACCTCGGTCTCACTCAGATGGCCAGCCAAAGGACAGAAGTGA
 CATGCCATACAGTCACATGTGATCATGACCCACAGTCACAGTCTGCGGGCAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208567 representing NM_001108115
 Red=Cloning site Green=Tags(s)

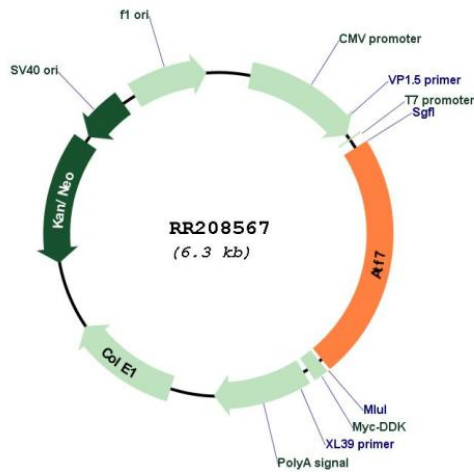
MGDDRPFVCSAPGCGQRFNEDHLAVHKHKHEMTLKFGPARTDSVIIADQTPTRFLKNCEEVGLFNEL
 ASSFEHEFKKASDDDEKKASSAAGPLDMSLPSTPDIKVKEEPEVDSSPPDSPASCPCSPPLKDKEVAT
 KPVVISTPTPTIVRPGSLPLHLGYDPLHPTLPSPTSVITQAPPSNRQIGSPTGSLPLVMHLANGQTMPML
 PGPPVQMPVSVISLARPVSMVNPINIPGIPPPVNNSGSISPSGHPMPSEAKMRLKATLTHQVSSINGCGMV
 VGTASTMVTARPEQNQILIQHPDAPSPAQPQVSPAQPTPTSTGGRRRTVDEDPDERRQRFLEARNRAASR
 CRQKRKLWVSSLEKKAELTSQNIQLSNEVTLLRNEVAQLKQLLLAHKDCPVTAQKKTQGYLESPESS
 EPTGSPAPVIQHSATAPSNGLSVRSAAEAVATSVLTQMASQRTELSMPIQSHVIMTPQSQSAGR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001108115

ORF Size: 1455 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_001108115.1](#), [NP_001101585.1](#)

RefSeq Size: 2238 bp

RefSeq ORF: 1458 bp

Locus ID: 315333

Cytogenetics: 7q36

MW: 51.9 kDa