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Product datasheet for RR203248

Aatf (NM_053720) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Aatf (NM_053720) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Aatf
Synonyms:	Ded
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RR203248 representing NM_053720
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGGAGCTGCAGCCCCTGGCTCTGCAGCTGGAACAGTTGTTGAATCCAAGACCGCGTGAGGCGGATC
CTGAGGCGGACCCGGAGGAGGCCACTAGAGCCAGAGTGATTGACAGGTTTGATGAAGGGGAAGAGGAAGA
AGATGATCTGCCAGTGAGTAGTATTAGAAAGTTGGCACCGGTCTCCCTCTTGGACACCGACAAAAGGTAT
TCTGGCAAGACCACTTCTCGGAAAGCTTGGAAAGAAGACCATTGGGACCAGACTCTGCCAAGTTCATCGG
ACAATGAAATACCTGATGAAGGAGGCTCTGAAGCTGGGGATTCAGAGGGCCTGGAGGAGCTCTCAGAAGA
TGTTGAGGAAGACTTGGAAGACAATGAAATACCTGATGAAGGAGGCTCTGAAGATGGGGATTCAGAGGGC
CTGGAGGAGGAGATCTCAGAAGATGTTGAGGAAGACTTAGAAGGTGAGGATGAGGAAGACAGAGAAGAGG
ACAGGAACAGTGAAGATGACGGCGTGGTGATGGCCTTCTCCGGTGTTAAAGTTTCTGAGGAAGTGGAAAA
AGGAAGAGCTGTGAAGAACCAGATAGCGTTGTGGGACCAGCTCTTGGAAGGAAGGATCAAACTACAAAAA
GCTCTCTTGACTACCAATCAATTGCCTCAACCAGATGTTTTCCCTGTCTTCAAGGACAAAGGTGGCCCAG
AATTTGCCAGTGCTCTGAAAAATAGTCACAAAGCACTTAAAGCATTGTTAAGATCATTGGTGGATCTTCA
GGAAGAGTTGCTTTTCCAGTACCCAGATACAAGATATTTAGTAAAAGGGACGAAACCCAATGCAGAGAGT
GAGGAGATTTCCAGTGAAGATGATGAGCTAGTGGGAGAGAAGAAGAAACAAAGAAAGGCCCCACCAAAGA
GGAAGCTAGAGATGGAGGACTATCCCAGCTTCATGGCAAAGCGCTCTGCTGACTTTACCGTCTACAGGAA
CCGCACACTACAAAAATGGCATGATAAAACCAAGCTTGCTTCTGGAAAACTGGGCAAGGGTTTCGGTGCC
TTTGAACGCTCCATCTTGACTCAGATTGATCATATTCTGATGGACAAAGAAAGATTACTTCGAAGGACGC
AGACCAAGCGCTCTGCCTACCGAGTTCTTGGCAAACCTGAGCCAGTCCCTGAGCCTGTTGCAGAGACTTT
GCCAGGAGAACCGGAGAGCCTTCCTCAGGTCCCTGCCAATGCTCACCTGAAGGACTTGGACGAGGAGATA
TTTGATGATGATGACTTCTACCACCAGCTCCTTCGAGAACTCATAGAGCGGAAGACCAGCTCTTTGGATC
CAAATGATCAGGTGGCCATGGGAAGGCAGTGGCTTGCAATCCAGAAACTACGAAGCAAAATCCGCAAGAA
GGTAGATAGAAAAGCCAGCAAAGGAAGAAAACTTCGGTTCCATGTGCTTAGCAAGCTCCTGAGTTTCATG
GCGCCTATTGACCACACTGCAATGAATGATGAGGCCAGGACCGAGTTGTATCGATCTCTTTTCGGCCAGC
TCAACCGTCTGGACGCAGACCATGGGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR203248 representing NM_053720
Red=Cloning site Green=Tags(s)

MAELQPLALQLEQLLNPRPREADPEADPEEATRARVIDRFDEGEEEEDDLPVSSIRKLAPVSLLDTDKRY
SGKTTSRKAWKEDHWDQTLPSSSDNEIPDEGGSEAGDSEGLEELSEDVEEDLEDNEIPDEGGSEDGDSEG
LEEEISEDVEEDLEGEDEEDREEDRNSEDDGVVMAFSGVKVSEEVEKGRAVKNQIALWDQLLEGRIKLQK
ALLTTNQLPQPDVFPVFKDKGGPEFASALKNSHKALKALLRSLVDLQEELLFQYPDTRYLVKGTKPNAES
EEISSEDDELVGEKKKQRKAPPKRKLEMEDYPSFMAKRSADFTVYRNRTLQKWHDKTKLASGKLGKGFGA
FERSILTQIDHILMDKERLLRRTQTKRSAYRVLGKPEPVPEPVAETLPGEPESLPQVPANAHLKDLDEEI
FDDDDFYHQLLRELIERKTSSLDPNDQVAMGRQWLAIQKLRSKIRKKVDRKASKGRKLRFHVLSKLLSFM
APIDHTAMNDEARTELYRSLFGQLNRLDADHGQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

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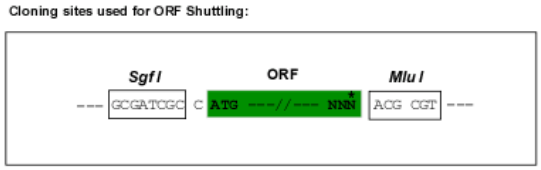
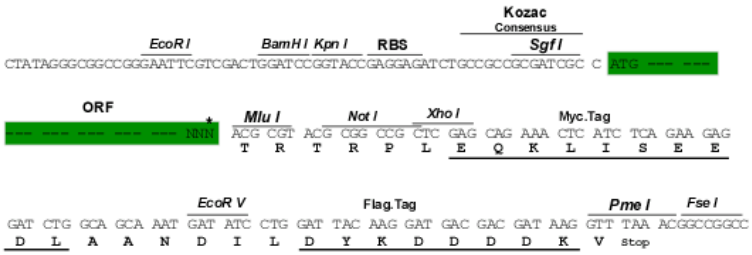
Cloning Scheme:





* The last codon before the Stop codon of the ORF

ACCN: NM_053720

ORF Size: 1569 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_053720.1, NP_446172.1

RefSeq Size: 1805 bp

RefSeq ORF: 1572 bp

Locus ID: 114512

UniProt ID: Q9QYW0

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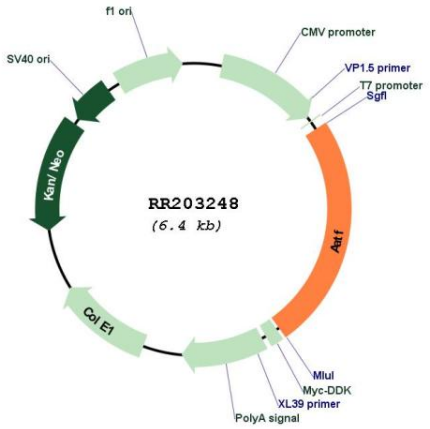
Cytogenetics: 10q26

MW: 59.5 kDa

Gene Summary: an apoptosis antagonizing nuclear phosphoprotein transcription factor [RGD, Feb 2006]

Product images:



Circular map for RR203248

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