

Product datasheet for **RR213931**

Ate1 (NM_001106300) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ate1 (NM_001106300) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ate1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR213931 representing NM_001106300
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTCTGGAGCGCCTTCGCCAGCCTTGTAGAGTATTTGAGGGCCAGACCTCCTTCCAGTGTG
 GCTATTGCAAGAGCAACTTTGGCAGTCGCTCCCATGGCATGTGGGCACATTCCATGACAGTGCAGGATTA
 TCAGGATCTTATAGACCGAGGATGGAGAAGAAGCGGAAATATGTGTACAAGCCTGTCATGAATCAAACA
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 GCTTCCAGGCTCAAGGTCAGCCAGTATCTTTGTTACCAAAGGCTAAATCCAACCGCCCAAGTCACTGGA
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 TTCACAAGGATCCACCTGATAAGCCAAGTGTGAGCCAGGACAGCACCCTGCTAATGGACCAGAATGTGG
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 CCATACTGTGTCTTCTGTGTATCTGTACTATGATCCTGATTATTCATTCTGTCTTTGGGTGTCTATT
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 GGGTTTCTACATTCCTCTGTCCCAAGATGAGATACAAGGGTCAGTATAGACCTTCTGATTTACTGTGT
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 TCAACCGAGCCACAAGCAGAGGATGAAGGGCGCAGTAAGGAACTTGACCGGCTACGCGTGTTCACAG
 ACGGTCTGCCATGCCTTATGGTGTTTATAAGAACCACCAAGAAGATCCAAGCGAGGAGGCTGTTGTGCTG
 GAGTATGCGAACCTCGTAGGGCAGAAGTCTCGGAGACGATGCTGCTCTTCAGACAC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

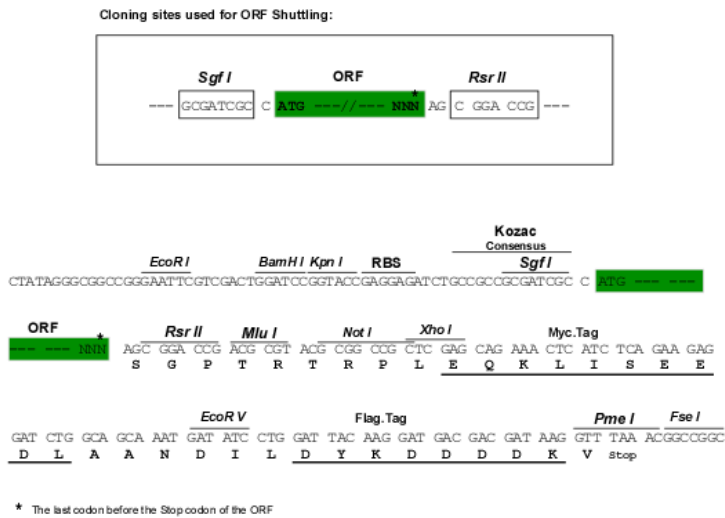
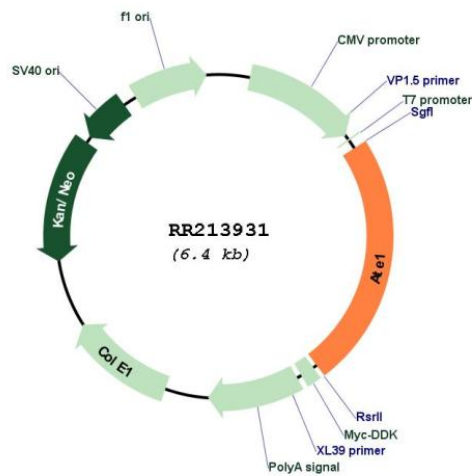
>RR213931 representing NM_001106300
 Red=Cloning site Green=Tags(s)

MASWSAPSPSLVEYFEGQTSFQCGYCKSNFGSRSHGMWAHSMTVQDYQDLIDRGWRRSGKYVYKPYVMNQT
 CCPQYTIKCHPLQFQPSKSHKKVLKMLKFLAKGEISKGNCEDEPMDSTMEDAVDGFALMNLKLDIKCDL
 KTLSSDLKVSIESEEKEKEKSLKKEGSKDLIHPQAIIEEKLGSSEPSHSIKVHVGPKPGKADLSKPPCRK
 AKEMRKERKRLKLMQSSAGAFEGFQAQGPVSLLPKAKSNQPKSLEDLIFESLPEDASHKLEVRVVRSS
 PPSQPKATFQESYQVYKRYQMIHKDPPDKPTVSAEHPANGPECGYGSFHQQYWLGDGKIIAVGVIDIL
 PYCVSSVYLYYDPDYSFLSLGVYSALREIAFTRQLHEKTSQLSYYMGMFYIHSCKMRYKGOYRPSDLLC
 PETYVWVPIEQCLPSLDNSKYCRFNQDPQAEDEGRSKELDRLRVFHRRSAMPYGVYKNHQEDPSEEAVAL
 EYANLVGQKCSSETMLLFRH

SGP**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:

Plasmid Map:


ACCN: NM_001106300

ORF Size: 1527 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_001106300.1, NP_001099770.1

RefSeq Size: 4531 bp

RefSeq ORF: 1530 bp

Locus ID: 293526

Cytogenetics: 1q37

MW: 58.2 kDa