

## Product datasheet for **RN213931**

### **Ate1 (NM\_001106300) Rat Untagged Clone**

#### **Product data:**

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



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**Fully Sequenced ORF:** >RN213931 representing NM\_001106300  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTTCTGGAGCGCCTTCGCCAGCCTTGTAGAGTATTTGAGGGCCAGACCTCCTTCCAGTGTG  
 GCTATTGCAAGAGCAACTTTGGCAGTCGCTCCCATGGCATGTGGGCACATTCCATGACAGTGCAGGATTA  
 TCAGGATCTTATAGACCGAGGATGGAGAAGAAGCGGAAATATGTGTACAAGCCTGTCATGAATCAAACA  
 TGCTGTCTCAGTATAACAATAAGGTGTCATCCTTTACAGTTTCAGCCCTCAAAATCTCACAAGAAAGTTT  
 TGAAAAAATGCTGAAATTTCTGGCTAAAGGAGAGATCTCGAAAGGCAATTGTGAGGACGAGCCCATGGA  
 TTCTACAATGGAGGATGCTGTTGATGGTATTTTGCATTAATGAACAAGTTGGATATAAAGTGTGATCTT  
 AAAACTCAGCAGTACCTCAAAGTAAGCATAGAGAGTGAAGAGAAGGAGAAAAGAAAGAGTTTAAAGA  
 AAGAAGGATCTAAAGACTTGATTCATCCACAAGCTATAGAGGAGAAGTTGGGCTCTGGTGAACCATCACA  
 TTCAATCAAAGTTCATGTTGGGCTAAGCCAGGTAAGGGGCTGATTTGAGTAAGCCTCCATGTCGAAAA  
 GCAAAGGAAATGAGGAAAGAAAGGAAAGGTTAAACTGATGCAGCAGAGCTCAGCTGGAGCCTTTGAGG  
 GCTTCCAGGCTCAAGGTCAGCCAGTATCTTTGTTACCAAGGCTAAATCCAACCGCCCAAGTCACTGGA  
 AGATTTGATTTTTGAATCTTTACCAGAGGATGCATCGACAAGTTAGAGGTGAGGGTGGTAAAGTCTTCT  
 CCACCAAGTCTCAGTTCAAAGCCACATTTCCAGGAGTCTTACCAGGCTATAAACGTTACCAGATGATTA  
 TTCACAAGGATCCACCTGATAAGCCAAGTGTGAGCCAGGACAGCACCCTGCTAATGGACCAGAATGTGG  
 TTACGGCTCTTTTACCAGCAGTACTGGCTTGACGGGAAGATCATTGCTGTGGGGTGATAGACATCCTC  
 CCATACTGTGTCTTCTGTGTATCTGTACTATGATCCTGATTATTCATTCTGTCTTTGGGTGTCTATT  
 CAGCATTAAAGAGAAATGCTTTTACTAGACAAGTGCATGAGAAAACATCACAGCTCAGTATTATTACAT  
 GGGTTTCTACATTCACCTCTGTCCCAAGATGAGATACAAGGGTCAGTATAGACCTTCTGATTTACTGTGT  
 CCTGAGACGTATGCTGGGTACCCATTGAGCAATGCCTGCCTTCTCTGGACAAGTCCAAGTACTGCCGTT  
 TCAACCGAGCCACAAGCAGAGGATGAAGGGCGCAGTAAGGAACTTGACCGGCTACGCGTGTTCACAG  
 ACGGTCTGCCATGCCTTATGGTGTTTATAAGAACCACCAAGAAGATCCAAGCGAGGAGGCTGTTGTGCTG  
 GAGTATGCGAACCTCGTAGGGCAGAAGTGTCTGGAGACGATGCTGCTCTCAGACACTGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001106300

**Insert Size:** 1530 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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