

Product datasheet for **RN211759**

Atic (NM_031014) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atic (NM_031014) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atic
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN211759 representing NM_031014
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTTCTCCAGCTTGCCTGTTTCAGTGTCTGACAAAACCTGGCCTCGTGGAAATTTGCCAGAACC
 TCGCGTCTCTTGTTGAGTTTGGTCGCTTCTGGAGGCACGGCAAAGCGATCAGGGATGCTGGCCTGGC
 AGTGAGAGATGTGTCTGAGCTAACTGGGTTCCCTGAAATGTTAGGGGGCGTGTAAAACCTTGATCCT
 GCAGTCCATGCTGGAATCTTAGCACGCAATATCCAGAAGATGCTGCTGACATGGCCAGGCTTGATTCA
 ACCTCATAAGAGTTGTTGTCTGTAACTGTACCCGTTCTGGAAGACTGTGGCTTCTCCAGATGTAACCGT
 TGAGGCAGCTGTTGAGCAAATTGACATTGGTGGCGTGACCTACTGAGAGCTGCAGCCAAAAACCATGCT
 CGAGTGACAGTTGTGTGAGCCAGAGGACTATGGTGGGTGGTGCAGAGATGCAGGGCTCTGGTAATA
 AGGACACCTCCCTGGAGACCAGGCGCCACTTGGCATTGAAGGCATTACGCATACCGCTCAATATGATGA
 AGCGATTTTCGGATTACTCAGGAGACAGTACAGTAAAGGAATTTCTCAGATGCCCTTGAGGTATGGGATG
 AACCCCATCAGACTCCTGCCAGCTGTATACACTGAAGCCAAAGCTTCCCATCACAGTTCTCAACGGAG
 CCCAGGATTCATAAACCTCTGCGATGCTTTGAATGCCTGGCAGCTGGTACAGAGCTGAGAGGAGCAGT
 AGACATTCAGCTGCGGCGTCTTCAAGCACGTGACCCAGCAGGTGCTGCTGTTGGGGTCCACTCAGT
 GAGGACGAAGCCAGAGTCTGCATGGTCTATGACCTCTATCCGACCTCACGCCCTGGCCATTGCATATG
 CAAGAGCAAGAGGAGCTGATAGGATGTCTTCATTTGGTGATTTTGTGATTATCTGATGTTTGTGATGT
 CCCAACTGCAAAAATTCTCCAGAGAAGTGTGAGATGGTATTGTTGCCCCAGGATATGAGGAAGAGGCC
 TTGAAAATACTTTCTAAAAGAAAAATGGAAGCTACTGTGTTCTTCAGATGGACCAGTCTACAAACCGG
 ATGAAAATGAAGTTCGAACGCTCTTGGTCTTCGTTTAAAGCCAGAAGAGAAATAATGGTGTGTTGACAA
 GTCGTTGTTTAGCAATATTGTACCAAGAATAAAGATCTGCCGGAATCTGCTCTCCGAGACCTCATTGTC
 GCCACCATCGCTGTCAAGTATACTCAGTCTAATTCGGTGTGCTATGCCAAGGACGGGCAGGTTATTGGCA
 TCGGAGCAGGACAGCAGTCTCGGATACACTGTACACGCCTTGCAGGTGATAAGGCAAACTCTTGGTGGCT
 TCGGCACCATCCACGAGTCTTTCCATGAAGTTTAAAGCTGGGGTGAAGAGAGCAGAAGTCTCCAATGCC
 ATCGATCAGTATGTGACCGGCACCATTTGGTGGGGTGAAGACCTGGTCAAATGAAAGCACTGTTTGAAG
 AGGTTCTGAGTTACTACTGAGCGGAGAAGAAGGAATGGGTGGACAAGCTGAGTGGCGTGTCTGTGAG
 TTCCGATGCTTTCTTCTTTCAGGGATAATGTAGACCGAGCGAAAAGGAGTGGTGTGCCTACATTGTT
 GCTCCATCCGGATCTACTGCTGACAAGGTTGTGATCGAGGCGTGTGACGAGCTGGGGATCGTGTGGCTC
 ATACAGATCTGCGTCTCTCCACC**CTGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_031014
- Insert Size:** 1779 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_031014.2](#), [NP_112276.2](#)

RefSeq Size: 2505 bp

RefSeq ORF: 1779 bp

Locus ID: 81643

UniProt ID: [O35567](#)

Cytogenetics: 9q33

Gene Summary: catalyzes the final two steps of de novo purine biosynthesis [RGD, Feb 2006]