

Product datasheet for **MC219447**

Atic (NM_026195) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atic (NM_026195) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atic
Synonyms:	2610509C24Rik; AA536954; AW212393
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC219447 representing NM_026195
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCTCCGTCTCAGCTTGCCCTGTTCAGTGTGTCTGACAAAACCTGGCCTCGTGGAAATTTGCCAGAAGTC
 TCGCGTCTCTTGGTTTGTAGTCTGGTCGCTCCGGAGGCACGGCAAAGCGATCAGGGATGCTGGCCTGGC
 AGTCAGAGATGTGTCTGAGCTAACAGGGTTCCCTGAAATGTTAGGGGGACGCGTAAAAACCTTGACCCT
 GCGGTCCATGCTGGGATCTTGCCACGCAACATTCCAGAAGACGCTGCAGACATGGCCAGGCTTGATTCA
 ACCTTGTAAAGGGTTGTGGTCTGTAACTGTACCCCTTCGTGAAGACTGTGGCTTCTCAGATGTAAGTGT
 TGAGGCAGCTGTTGAACAAATTTGATATTGGTGGCGTGACATTACTGAGAGCTGCAGCCAAAAACCCAGCT
 CGAGTGACAGTCGTCTGTGAACCAGAGGACTATGCGGGGTAGCTGCAGAGATGCACGGCTCTGATAGTA
 AGGACACCTCCCTAGAGACCAGGCGCCACTTGGCCTTGAAGGCATTCCTCATACCGCTCAATACGATGA
 AGCAATTTAGATTACTTCAGGAAACAGTACAGTAAGGGAATTTCTCAGATGCCCTTGGCGTATGGGATG
 AACCCCATCAGACTCCTGCCAGTTGTATACGCTGAAGCCAAACTTCCCATCAGATTCTCAATGGAG
 CCCCAGGATTCATAAACTTGTGTGACGCTTGAACGCCTGGCAGCTGGTGACAGAGCTGAGAGGAGCAGT
 AGACATCCCAGCGGCTGCTTCTTTCAAGCACGTGAGCCCGCAGGTGCTGCTGTTGGGGTCCACTCAGT
 GAGGACGAGGCCAGAGTCTGCATGGTCTATGACCTCTACCCGACCCTCACGCCCTGGCCGTTGCATATG
 CAAGAGCAAGAGGAGCTGATAGGATGTCTTCAATTTGGTGTATTTGTTGCATTGTCTGACATTTGTGATGT
 CCCAACTGCAAAAATTTCTCCAGAGAAGTGTCCGATGGTATTGTTGCCCGGGATATGAAGAAGAAGCC
 TTGAAAATACTTTCTAAAAAGAAAAATGAAACTACTGTGTTCTTCAGATGGACCAGTCTACAAACCAG
 ATGAAAATGAAGTTCGAACACTCTTTGGTCTTCGTTTAAAGCCAGAAGAGAAATAATGGTGTGTTGACAA
 GTCATTTAGCAATATTGTCACCAAGAATAAAGATCTGCCGGAGTCTGCACTCAGAGACCTCATTGTC
 GCCACCGTCGCTCAAGTATACTCAGTCTAATTCGGTGTGCTATGCCAAGGATGGCAGGTTATTGGCA
 TCGGAGCAGGACAGCAGTCTCGGATACACTGCACTCGCCTTGCAGGTGATAAGGCCAAACTCTTGGTGGCT
 TCGGCACCACCCAGAGTGTGTCCATGAAGTTTAAAGCCGGGTGAAGAGAGCAGAGATCTCCAATGCG
 ATTGATCAGTATGTGACCGCACTATCGGTGAGGGCGAAGACCTGGTGAATGGGAAGCACTGTTCAAG
 AGGTTCTGAGTACTCACGGAGGCGGAGAAGAAGGAATGGGTGGACAAGCTGAGCGGCGTGTCTGTCAG
 CTCCGACGCTCTTTCTTTTCAGGGATAATGTGGACCGAGCTAAAAGGAGTGGTGTGGCTACATTGTC
 GCTCCATCTGGATCTACTGCTGACAAGTTGTGATTGAGGCGTGCAGCAGCTGGGGATTGTCTTGGCTC
 ATACGGATCTCCGGCTCTCCACC**ACTGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_026195
- 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_026195.3](#), [NP_080471.2](#)

RefSeq Size: 2611 bp

RefSeq ORF: 1779 bp

Locus ID: 108147

UniProt ID: [Q9CWJ9](#)

Cytogenetics: 1 C3

Gene Summary: Bifunctional enzyme that catalyzes 2 steps in purine biosynthesis.[UniProtKB/Swiss-Prot Function]