

Product datasheet for **RN202146**

Atp1a3 (NM_012506) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp1a3 (NM_012506) Rat Untagged Clone
Tag: Tag Free
Symbol: Atp1a3
Synonyms: Atpa1a3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202146 representing NM_012506
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGGGACAAAAAGATGACAAGAGCTCGCCCAAGAAGAGCAAGGCCAAAGAGCGCCGGGACCTGGATG
ACCTCAAGAAGGAAGTGGCTATGACAGAGCACAAGATGTCAGTAGAAGAGGTCTGCCGAAATACAATAC
CGACTGCGTGCAGGGTCTGACACACAGTAAAGCCAGGAGATCCTAGCCCGGGATGGGCCTAACGCCCTC
ACACCACCGCCACCACCCAGAATGGGTCAAGTTCTGCCGACAGCTATTTGGTGGCTTCTCCATCCTGC
TGTGGATCGGGCGATCCTTTGCTTCTGGCCTATGGCATCCAGGCAGGGACTGAGGATGACCCCTCCGG
TGACAATCTGTACCTGGGCATAGTGTGGCCGCTGTGGTATCATCACCGGCTGCTTCTCCTACTACCAA
GAAGCCAAGAGCTCTAAGATTATGGAGTCTTCAAGAACATGGTTCCCCAGCAAGCCCTTGTGATCCGGG
AAGGTGAAAAGATGCAGGTGAATGCGGAGGAGTGGTGGTCCGGGACCTGGTGGAGATCAAGGTGGCGA
CCGGGTGCCCGTGACCTGCGCATCATCTCGGCCATGGTGCAGGTGGACAACCTTCCCTGACTGGC
GAATCTGAGCCTCAGACCCGCTCCCGGACTGCACACGACAACCCACTGGAGACCCGGAACATCACT
TCTTTTCCACCAACTGTGTGAAGGCACCGCTCGTGGTGTGGTAGCCACAGGTGACCCGACCCGTCAT
GGGCCGATTGCCACCCTGGCCTCAGGCCTGGAGGTGGGCAAGACGCCCATCGCCATTGAGATCGAGCAC
TTCATCCAGCTCATCACTGGCGTGGCCGTGTTCTGGGCGTCTCCTTCTCATCCTCTCCCTCATTCTGG
GCTACACCTGGCTGGAGGCTGTATCTTCTCATCGGTATCATTGTGGCCAATGTCCAGAGGGGCTGCT
GGCTACTGTACCGGTGTGTCTGACGCTGACCGCAAGCGCATGGCTCGGAAGAACTGTCTGGTAAAGAAC
CTGGAGGCGGTGGAGACGCTAGGCTCCACATCCACCATCTGCTCCGACAAGACCGGCACCCTCACCAGA
ACCGCATGACCGTCGCCACATGTGGTTTGACAACAGATCCACGAGGCCGACACTACTGAGGATCAGTC
AGGGACCTCTTTCGACAAGAGCTCACACCTGGGTGGCCCTGTCCACATCGCCGGTCTCTGCAACCGG
GCTGTCTTCAAGGGCGGGCAGGATAACATCCCTGTACTCAAGAGGGACGTGGCGGTGATGCCTCAGAGT
CCGCCCTGCTTAAGTGATCGAGCTGTCCTCGGGTCCGTAAGGCTGATGCGCGAACGAAACAAGAAAGT
GGCCGAGATTCCTTCAACTCCACTAACAAATACCAGCTATCCATCCATGAGACTGAGGACCCCAATGAC
AACCGATACCTGTTAGTGATGAAGGGCGCCCTGAACGCATTCTGGACCCTGTGCGACCATCCTCTGC



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AGGGCAAGGAGCAGCCTCTGGATGAGGAGATGAAGGAGGCCTCCAGAACGCCTACCTGGAGCTTGGTGG
CCTGGGCGAGCGTGTGCTGGGTTTCTGCCATTACTACCTGCCGGAGGAACAGTTCCCAAGGGCTTTGCC
TTTGACTGTGATGACGTGAACCTCACCACAGACAACTTTGCTTCGTGGGTCTCATGTCCATGATCGACC
CTCCCCGGGCAGCTGTCCCTGATGCTGTGGCAAATGCCGAGTGCAGGCATCAAGGTATCATGGTCAC
CGGCGATACCCCATCACTGCGAAGGCCATCGCCAAAGGTGTAGGCATCATCTCCGAGGGTAACGAGACT
GTGGAGGACATCGCTGCCCGCTCAACATCCCTGTCAGCCAGGTCAACCCAGGGATGCCAAAGCCTGTG
TGATTCATGGCACCGACCTCAAGGACTCACCTCTGAGCAGATTGACGAGATCCTACAGAACCACACTGA
GATCGTCTTTGCCGAACCTCCCCTCAGCAGAAGCTCATCATCGTGGAGGGCTGTGAGAGACAGGGAGCA
ATTGTGGCTGTGACTGGCGATGGTGTGAATGACTCCCCTGCTCTGAAGAAGGCTGATATTGGGGTGGCCA
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CATTGTCACTGGTGTGGAGGAAGGCCGCTGATCTTTGACAACCTGAAGAAATCCATCGCTACACTCTG
ACCAGCAACATCCCTGAGATCACACCCTCCTTCTTTCATCATGGCCAACATCCCCTGCCCTTGCCA
CCATCACCATCCTCTGCATTGACCTGGCACCGACATGGTCCCTGCAATCTCCTTGGCCTACGAGGCTGC
AGAGAGTGACATCATGAAGAGGCAGCCAGGAACCCACGCACAGACAACTGGTCAACGAAAGGCTCATC
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CCTGGAAGACAGCTACGGGCAGCAGTGGACTTATGAGCAGAGGAAGGTGGTTGAGTTCACGTTCCACACA
GCCTTCTTCTGTGAGCATAGTGGTGGTCCAGTGGGCTGACCTGATCATTGCAAGACCAGGAGGAATCCG
TCTTCCAGCAGGGCATGAAGAAATAAGATCTTGATCTTCGGACTGTTTGAGGAAACGGCCCTCGCTGCCTT
CCTGTCTACTGCCAGGCATGGATGTGGCCCTTCGCATGTACCCGCTCAAGCCCAGCTGGTGGTTCTGT
GCCTTCCCCTACAGTTTCTCATCTTCGTCTATGATGAGATTGCGAAACTCATCTGCGCAGGAACCCCG
GGGGTTGGGTGGAGAAAGAGACCTACTATGA
    
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_012506
- Insert Size:** 3042 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_012506.1](#), [NP_036638.1](#)
- RefSeq Size:** 3559 bp
- RefSeq ORF:** 3042 bp

Locus ID: 24213
UniProt ID: [P06687](#)
Cytogenetics: 1q21
Gene Summary: contains 4.5 kb and 6 kb transcripts that display differential tissue expression [RGD, Feb 2006]