

Product datasheet for RN214705

Atp13a1 (NM_001106079) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp13a1 (NM_001106079) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atp13a1
Synonyms:	Atp13a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN214705 representing NM_001106079 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGTGGTGGCAACGCGGTACCTGCGGAGCCCGCCTGGCGGGCCCGGGCAGCGGGTCTCCTC
AGCCTGGGCGGCCGGCCTCGTGCCGGCCAGCGCTCATAGCGAGCGGCAGCAACTGGTGCCGCTGT
ATGGCCATACCGCGGCTGGCGTCTGCGGCGCCTCACCGTGTGCCGTTTGGCGGTTGCTGTACCCA
GCCTGGCTGGGCGCCGCCAGCGGTTGCTGGGATGGGCAACAGCTGGACCCAGATACCGGAGGCCG
CACTGCTGGCCCTCGCTACCATCTGCCTCGCGCACGCACTCACAATCCTGTGGGGCATTGGTCTGTGCA
CGCGCACTGCGCGCTCACCTGCACCCCGGAGCATGATCCCAACAAAGTAACCTTCGTGAAGGTGGTGCCA
ACCCCAACAATGGCTCCACTGAACTGGTGCCCTGCACCGTGACAAGGAGAAGATGGGCTGGAGGTGC
TGTCAATTTGAGTCCAGAAGATCAAATATTCCTATGATGCCCTGGAGAAAAAGCAGTTCCCTCCCGGTGGC
CTTCCAGTGGGAACGCCTTCTTACTATCAAAGCAACAGAGGTTTCCAGGAAGACTCCGACATCCGA
GCCGACAGAGAAGAAGTTGGGAGCAACAAGGCCGAGATGGCGGTGCCTGACTTCTCTGAGCTTTTCAAGG
AGAGGCCACAGCCCTTCTTCTGTTTCAGGTGTTCTGCGTGGGCTCTGGTGCCTGGACGAGTACTG
GTACTACAGTGTCTTCACTCTGTCCATGCTGGTGGCTTTCGAGGCTTCCCTAGTGACGACGACATGAGG
AACATGTCAGAGATCCGAAAGATGGGCAACAAACCCACATGATTCAGGTCTACCGAAGCCGAAAGTGGA
GGCCCATCGCCAGCGATGACATTGTTCTGGGACATCGTGTCCATCGGCCGCTCCCCCAGGAGAACCT
GGTGCCGTGTGATGACTGCTGCTGCGGGCCGCTGCATTGTGGATGAGGCCATGCTCACTGGGGAATCT
GTGCCACAAATGAAGGAGCCATTGAAGACTTGAGCCAGACCGTGTCTAGACCTGCAGGCCGACGCTC
GGCTGCATGTCTTTGGGGCACCAAGGTGGTACAGCACATCCCCCACAAGGCCACTTCGGGCCCT
GAAGCCGTTGACAACGGATGTGTGCCCTTGTCTAAGGACTGGATTCAACACATCCAGGGCAAGCTA
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TCCTCCTGGTGTTCGCCATTGCTGCAGCCGCGTATGTGTGGATTGAAGGGACCAAGGACCCAGCCGGAA
CCGTTACAAGCTTTTCTGGAGTGCACCCTCATCTCACCTCGGTCTGACCCCTGAACTGCCATTGAG
CTGTCCCTGGCTGTGAACACCTCCCTCATCGCCCTGGCCAAGCTCTACATGTACTGCACAGACCTTTCC



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GGATCCCCTTCGCTGGCAAGGTCGAAGTATGTTGCTTTGACAAGACGGGTACCTTGACTAGTGACAGCCT
 GGTGGTGCAGGCGTGGCAGGGCTGAGAGATGGGAAAGAGGTGACCCAGTGCCAGCATTCCCATAGAA
 ACACACCGGGCCCTGGCTTCTGCCACTCCCTCATGCAGCTGGATGATGGCACCCTAGTGGGTGACCCTC
 TGGAAAAGGCCATGCTGACAGCTGTAGACTGGACACTAACCAAAGATGAGAAAAGTATCCCCGAAGTAT
 TAAAACCTAGGGGCTGAAAATTCACCAGCGCTTCATTTTCCAGTGCCCTAAAGCGAATGTCTGTGCTC
 GCCTCCTACGAGAAGCTCGGCTCCACTGACCTTGCTACATCGCGGCTGTGAAGGGGGCCCCGAAACCC
 TGCACTATGTTTTCCAGTGCCACCTGACTACCACCACATCCACACTGAGATCTCTCGGGAAGGAGC
 CCGTGTCTGGCTCTGGGCTACAAGGAGCTAGGGCATCTCACGCATCAGCAGGCCCGGGAGGTCAAGCGG
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 TGCATGCCATGTAGCTCAGGAAGTGCATTTTATTGACAAGGCCCATACGCTCATCTTGCATCCTCCCTCG
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 CCAAGGCCCTGGCCCTGGAGCACGCGTGTGCCTCACAGGTGATGGCTTGGCTCACCTGCAGGCTGTGGA
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 GCGCACTAAAGCAGCTGATGTGGGTGTGCGGCTTCTGGCCAATGCCCTGAGAGGGTGTAGAAGCGCG
 ACGACGGCCAAGGGACAGCCCTGTCCTGAGTAACAGTGGCCCCAGAGTCTCCAGGTCAACCAAACAGAAG
 TCGGCACTCCTCTCCTGAGGAGCCACCAGCCTCCCACAGGGACCGCTGAGCCAGGTGCTACGGGACC
 TGGAGGATGAGAGCACCCCTATTGTGAAGCTGGGGATGCCAGCATTGCAGCACCCCTTCACTCCAAGCT
 TTCCTCCATCCAGTGCATCTGCCACGTGATCAAGCAGGGCCGTTGCACATTGGTGACAACGCTGCAGATG
 TTCAAGATCCTGGCCCTCAATGCCCTCATCTTGGCATAACGCCAAAGTGTCTCTACCTGGAGGGTGTCA
 AGTTCAGCGACTTCCAGGCCACCCTGCAGGGGCTGCTGCTGGCCGGCTGCTTCTCTTTATTTCCCGCTC
 CAAGCCTCAAGACTCTTTCCCGAGAGCGGCCCTGCCAACATCTTCAACCTATACACCATCCTTACG
 GTGATGCTGCAGTTCTCTGTCCACTTCTGAGCCTGGTCTACCTGTACCGGGAGGCCAGGCACGACGCC
 CTGAGAAGCAGGAACAGTTTGTAGACCTGTACAAGGAGTTTGTGAGCCGAGCCTGGTCAACAGCACTGTGTA
 CATCATGGCCATGGCCATGCAGATGGCTACCTTTGCCATCAACTACAAGGGCCACCCTTATGGAGAGC
 CTGCCTGAGAACAAGCCCTTGGTGTGGAGTCTGGCAGTGTCACTGATGGCCATCATGGGCTTGTCTCTGG
 GCTCCTCCCTGACTTCAACAGCCAGTTTGGCCTCGTGGACATCCCTGTAGAGTTCAAGCTGGTCACTCGG
 CCAGGTCTGGCCCTGGACTTCGGCCTGGCACTCCTGGCTGACCGTGTCTACAGTTCTTTTGGGGACT
 CCGAAGCTGAGAGTGCCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001106079
- Insert Size:** 3594 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_001106079.2, NP_001099549.2

RefSeq Size: 3848 bp

RefSeq ORF: 3594 bp

Locus ID: 290673

Cytogenetics: 16p14