

Product datasheet for **RN213951**

Atp10a (NM_001141935) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Atp10a (NM_001141935) Rat Untagged Clone

Tag: Tag Free

Symbol: Atp10a

Mammalian Cell Selection: Neomycin

Vector: pCMV6-Entry (PS100001)

E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >RN213951 representing NM_001141935
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGAGCGGGAGTCCGCGGCGGCCGAAGAGCCCGCATCCCCGGGGCGGCGGCGTCTCGACGAAGGCGCT
GGGAGGGCCGGACGCGCACGGTGCCTCCAACCTGCTGCCGTCCCTGGGCACCGAAGACTCCACTGCCGG
AGCCTCCAAGGGCGAAGCGGTGCTGATGCGCGGCTGCATCCAGCACCTGGCCGACAACCGCTCAAGACC
ACCAAGTACACTCTGCTGCTCTTCTTGCCTCAAGAATCTCTCGAACAGTTCACCGCCTAGCCAATGTGT
ACTTCGTCTTCATCGCGCTACTCAACTTTGTGCCGCGAGTGAACGCTTTCCAGCCGGTCTTGGCACTGGC
GCTGTGCTCTTTATTCTGGCGGTCACTGCCATCAAGGACCTGTGGGAGGACTACAGCCGCCACCGTTTCG
GACCACGAAATCAACCACCTGGGCTGCCTTGCTCTCAGCAGGGAAGAAAAGAGTATGTGAATCGATACT
GGAAAGAAATCCGAGTGGGCGACTTTGTCCGTCTTTGCTGCAATGAAATCATACCTGCGGACATTTTGCT
GCTGTCATCCAGTGACCCTGATGGGTTGTGCCACATCGAGACTGCTAACCTGGATGGAGAGACCAACCTG
AAGCGGCGGCAAGTGGTCCGTGGCTTCTCGGAGCTTGCTCTGAATTCAATCCCTTAACGTTACACGCG
TAATCGAATGTGAGAAGCCAAACAATGACCTGAGTAGGTTTCGTGGCTGCATAATCCACAGCAATGGGGA
GAAGGCTGGGCTGCATAAGGAAAATTTGCTGCTTCGAGGGTGCACCATCAGAAACACAGAAGCAGTGGCT
GGGATTGTCATCTATGCAGGACATGAAACCAAGCCCTCTGAACAATAGTGGGCCCCGCTACAAGCGCA
GCCAGCTTGAAAGGCAGATGAACTGTGATGTCTCTGGTGTGCTTCTCCTCGTTTGATATCTCTATT
TTCAGCAGTTGGACATGGATTGTGGGTTTCGGCGCTATCAAGAGAAAAAGCACTGTTTGATGTTCCCGAG
TCTGATGGCAGCTCTTTATCCCCAGCCACTGCTGCAGTTTACTCGTTTTTGACAATGATAATTGTTCTGC
AGGTTTTGATTCCAATTTCTTATATGTTTCCATTGAAATTGTTAAAGTGTGTCAAGTATACTTCATTAA
CCAAGATATAGAGCTGTACGATGAAGAGACAGATTACAGCTGCAGTGCCGAGCTCTGAACATAACAGAA
GACTTAGGGCAGATAAAATACATCTTCTCAGACAAAATGGCACATTAAGTGAACAAGATGGTCTTTTC
GAAGATGCACTGTGTCCGGCATAGAATATTCTCATGATGCTAATGCCAGCGACTGGCCAAGTATCAAGA
GCCGACTCAGAAGAGGAGGAAATGGTGTCCAAGGTGGGCCCAATATCCACCGTGGCAGCACTGGGAGC
CATCAGACATCTGGATGACTCATAAGACCCAGAGTATCAAGTCCACCGCGTACAGGCAGTCTGGGCTG
AGGCCAAGAGAGCCAGCATGCTGTCTAAGCACACTGCCTTCAGCAGCCCCATGGAGAAAGACATTACCCC



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TGACCCCAAGCTGCTGGAGAAGGTGAGCGAGTGTGACCGGTTCTCTCCATTGCAAGGCACCAGGAGCAC
 CCTCTGGCCCATCTTTCACCAGAGCTGTCTGATGTTTTGATTTCTTCATCGCACTACCATCTGCAATA
 CAGTAGTTGTACCTCTCCAGACCAGCCACGACAAAAGGTAAGAGTGAGGTTTGAGCTGAAGTCCCCAGT
 GAAGACCATAGAAGATTTCTTCGGAAGTTCACACCCAGCCGCTGGCTTCTGGCTGCAGCAGTATCGGG
 AACCTCACCAACAATAATCCAGCAACAATCTGGATCACTTTTCTGCCAGCCTGTCTCAGGACAACA
 TGCTTCTCAGGCTGGAGGAGAGGCTAGGTCAAACAGCGCCAGTCATTGCCAGCAATGGCTATGCCAGCCA
 GGCAAGCCAGGCGGAAAGCTGGACCTCAGAGTGCACCTCAGAGCAGAAGTGTCCAGGGGACCAGAGGGAG
 CAGCAAGAGGGGGAGCTTCGATATGAGGCTGAGAGCCAGATGAGGCTGCGCTGGTGTATGCAGCCAAAG
 CCTATAACTGTGCACTGGTGGACCGGCTTCACGACCAGGTGTCTGTGGAGTTGCCCCACCTAGGCAGGCT
 CACCTTTGAGCTGCTGCACACACTTGGCTTCGACTCCATCCGCAAGAGGATGTCAGTGGTGATCCGACAC
 CCACTGACTGACGAGATCAATGTGTACACCAAGGGGGCTGATTCACTGGTTCATGGACCTTCTGCTGCCCT
 GTTCTCAGATGACGCCAGAGGAAGGCATCAGAAAAAGATCAGGAGTAAAACACAAAATTACCTCAACCT
 TTATGCAGTAGAAGGCCTGCGCACCTGTGCATTGCCAAGAGGGTTCTGAGCAAAGAAGAATATGCCTGC
 TGGTTGCAGAGCCACATAGAAGCTGAGACATCTGTGGAGAGCCGTGAGGAGCTCCTCTCCAGTCTGCTG
 TTCGCTGGAGACGAACCTGCACCTGCTGGGTGCCACTGGGATAGAAGACCGCCTTCAGGATGGAGTACC
 TGAACCATTTGCCAAATTACGACAAGCTGGCCTGCAGATTTGGGTCTCAGAGGTGACAAACAAGAAACA
 GCCATTAACTTGCATATGCCTGCAAAATTGCTGGACCATGGTGAAGAGGTGATCAGACTGAATGCTGATT
 CTAGGGAAGCATGTGCAGCCCTGCTGGACCAATGCCTCTGTTATGTGCAATCCAGAACTCTAGAAGCGT
 CCCTCAGAACTCTGAAAGCAGCTTCAGTGTGGGGTTCTCTTTCAACCCAGCCTCCACATCCACTGACTCG
 AGCCCCAGCCCAAGCCTTGTGATTGATGGGAGAAGTCTGGCCTATGCCCTTGAGAAAAGCCTGGAGGACA
 AATTTCTTTTCTTGCCAAGCAGTGTGCTCCGTCTCTGCTGCCGATCGACGCTTTGCAGAAAAGCAT
 GGTGGTGAAGCTTGTGAGAAACAAGCTCAAGGCCATGACCCTGGCCATAGGTGATGGGGCCAATGATGTC
 AGCATGATCCAGGTGGCAGATGTAGGCGTGGGGATCTCAGGCCAGGAAGGCATGCAGGCTGTGATGGCAA
 GTGACTTTGCAGTGCCAAGATTCCGATACCTGGAGAGACTTCTAATCGTTCATGGACACTGGTGCTACTC
 CAGACTGGCCAACATGGTGCTGTATTTCTCTACAAAAATACAATGTTTGTGGGTCTCTGTTTTGGTTC
 CAGTTTTACTGTGGCTTTTCTGCATCTGCCATGATTGATCAGTGGTATCTGATTTTCTTCAATCTGCTCT
 TCTCATCGCTTCTCAGCTGGTAAGTGGGGTCTGGATAAAGATGTTCCAGCTGACATGTTGCTGAGAAA
 GCCACAGCTTTACAAGAGTGGCCAAAACATGGAGGAATACAGTCCACGAGCATTCTGGTTAAACATGGTG
 GATGCTGCCTTCCAAAGCCTGGTCTGCTTTTTTCATTCCCTATCTGGCCTACTATGACTCCGATGTGGATG
 TATTTACCTGGGGACCCCTGTACAGCAATAGCATTGTTACCTTCCTGCTGCACCTGGGTATTGAAAC
 CAAAACCTGGACCTGGCTCAACTGGTTAGCCTGTGGCTTCAGTACCTTTTTGTTTTCTCCGTGGCTCTA
 ATTTACAACACTTCTGTGCCACATGCTATCCTCCATCTAACCCTTACTGGACCATGCCGACATTACTGG
 GAGACCTCTGTTCTACTTGACTTGTCTCATCGCACCTGTTGCTGCATTGCTGCCAGATTGTTTTTCAA
 AGCCCTCCAGGGGAGCCTTTTCCCAACCAACTCCAGCTAGGACGCCAGTTGGCCAAGAAATCCCTCAAC
 AAGTTCAGCGTTCCCAAAGAGACTTTTGCTCAGGGACAACCACTGGACACACAGAACCTGAGCTATCAG
 AAAGGAAGGCCATGGGACCTTTTGAGTCTCTCCCTAGAGACTGTGCCTCTCAAGCTTCCAGTTCACACA
 GCAGCTGGCCTGTTCCCAAGAGGCCAGTGGGGAGCCAGTGCAGTGGATACAAACATGCCACTGAGAGAG
 AACACCTTGCTGGAAGGACTTGGCTCTCAGGCCCTCAGGGTCTGCTATGCCAGAGAGGCTATTTCAGAAG
 ACTGTCTGGGGACTCCAAGAGGAAATCCACCAGTGTAGTCAAACAGCCCCCTTGTGCTCACTCTTCCA
 TCTGCCCAGCTTTGGCTCACTAACTGGATCTCCTCACTATCACTGGCCAGTGGTCTGGGAAGTGTCTTG
 CAATTGTCCAGAAGTAGTTACAGATGGACAAGCAGGATGGTGAGTTCCTGTCCAACCCACCACAACCCAG
 ATCAGGACCTGCACAACCTACAGGGACAAGTTACAGGCTACTTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_001141935
Insert Size: 4527 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:	<u>NM_001141935.1, NP_001135407.1</u>
RefSeq Size:	5472 bp
RefSeq ORF:	4527 bp
Locus ID:	365266
Cytogenetics:	1q22