

Product datasheet for **MC229298**

Atp4a (NM_001290627) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp4a (NM_001290627) Mouse Untagged Clone
Tag: Tag Free
Symbol: Atp4a
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC229298 representing NM_001290627
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
 GCCC

ATGGGGAAGGCAGAGAATTATGAACTGTACTCAGTGGAACTGGGGTCTGGCCCTGGTGGGGACATGACTG
 CCAAGATGAGCAAGAAGAAGGCAGGAGGTGGGGAGGCAAGAAGAAGGAGAAGCTGGAGAACATGAAGAA
 GGAGATGGAGATTAACGACCACCAGCTATCAGTGTCTGAGCTGGAGCAGAAGTATCAGACCAGCGCCACC
 AAGGGCCTGAAGGCGAGCCTGGCAGCTGAGCTGCTGCTGAGGGATGGACCAATGCGCTCCGGCCACCTC
 GGGCAGCTCCCGAGTATGTGAAGTTTGCCCGTCAGCTGGCAGGTGGTCTGCAGTGCCTCATGTGGGTGGC
 TGCTGCTATCTGCCTCATTGCCTTTGCCATCCAGGCCAGCGAGGGTACCTGACCACTGATGATAATCTG
 TACCTGGCGGTGGCACTCATTGCTGTGGTTGTGGTCACTGGCTGTTTTGGCTACTACCAGGAGTTCAAGA
 GCACAAATATCATCGCCAGCTTCAAGAATCTTGTACCCAGCAAGCCACTGTGATCCGAGACGGGGACAA
 GTTCCAGATCAACGCGGATCAGCTTGTGGTGGGCGACCTGGTGGAGATGAAAGGCGGGGACCGCGTGCCA
 GCAGACATCCGCATTCTGTGAGCCAGGGCTGCAAGGTGGACAACCTCCTCGTCACTGGAGAGTCTGAAC
 CGCAGACCCGCTCGCCGAGTGTACACATGAGAGTCCCCTTGAGACCCGAACATCGCTTCTTCTCCAC
 CATGTGCTGGAGGGAACAGCTCAGGGTTTGGTGGTGGACCCGGCGATCGCACCATCATTGGGCGCATC
 GCCTCGCTGGCCTCGGGTGTGGAAAACGAGAAGACTCCGATTGCAATCGAGATTGAACATTTTGTGGACA
 TCATTGCCGGCCTGGCCATCCTCTCGGTGCCACATTCTTTGTGGTGGCCATGTGATTGGCTATACCTT
 CCTTCGGGCCATGGTCTTCTTATGGCCATTGTGGTAGCCTATGTGCCTGAGGGGCTGCTGGCAACTGTC
 ACAGTCTGCCTGTCACTGACAGCAAAGAGGTTGGCCAGTAAAACTGCCTGGTAAAACTTAGAAGCAG
 TTGAGACCCTAGGTTCTACATCAGTCACTGTCTGCTCAGACAAGACAGGAAGTCTCACTCAGAACCAGTAC
 GGTGTCTCATCTATGTTTGGACAACATATCCACACGGCGGACACCACAGAAGACCAGTACAGGCAACG
 TTCGATCAGTCGTCGGAGACATGGCGAGCGCTGTGCCCGTGTCAACCCTGTGCAACCCGCGCTGCCTTCA
 AGTCCGGCCAGGACGCGGTGCCGGTGCCAAGCGCATCGTGATCGGAGACGCGTCAGAGACTGCGCTGCT
 CAAGTTTTCGGAGCTGACGTTGGGCAACGCCATGGGTTACAGGACCCGCTTCCCCAAAGTTTTCGAGATC
 CCTTCAACTCCATCAACAAGTTCCAGCTGTCCATTATACCCCTGGAGGATCCACGCGACTCCCGGCACC
 TGCTGGTGTGAAAGGGCGCCCTGAGCGCGTGTGGAGCGTTGCAGCTCCATCCTCATCAAGGGCCAGGA



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GCTGCCTCTGGACGAGCAATGGCGTGAGGCCTCCAGACAGCCTACCTCAGCCTGGGAGGCCTAGGCGAA
 CGTGTCTTGGTTTCTGCCAGCTCTACCTGAATGAGAAGGACTACCCACCTGGCTATGCCTTTGATGTGG
 AGGCCATGAACTTTCCGAGTAGTGGCCTCTGCTTTCGGGACTTGTATCCATGATTGACCTCCCCGGGC
 CACCGTTCCTGATGCTGTGCTCAAAATGCCGCACGGCAGGCATCCGGGTGATCATGGTGACCGGTGACCAT
 CCCATCACGGCCAAGGCCATCGCAGCCAGCGTGGGTATCATCTCAGAGGGCAGCGAGACAGTGAAGACA
 TCGCCGCCCGCCTCCGGATGCCGGTGGACCAGTTAATAGGAAGGATGCCCGGCCTGCGTGATCAATGG
 TATGCAGCTGAAGGACATGGACCCGCTGAGCTGGTGGAGGCGCTACGCACCCACCCTGAGATGGTGT
 GCTCGAACCAAGTCCCTCAGCAGAAGCTGGTATTGGAGAGTTGTCAGCGACTGGGTGCCATTGTGGCTG
 TAACAGGGGATGGTGTGAATGACTCCCCAGCCCTGAAGAAAGCTGACATTGGTGTAGCCATGGGCATTGC
 TGGCTCGGATGCTGCTAAAAATGCTGCTGACATGATCTTGGTGGATGACAACTTGTCTTCCATTGTGACA
 GGCGTGGAGCAGGGCCGACTGATCTTTGACAACCTGAAGAAATCCATTGCATATACACTGACCAAGAACA
 TTCCAGAACTGACACCCTACCTTATCTATCACTGTCAGTGTGCCCTACCCCTTGGGTGTATCACCAT
 TCTCTTATAGAACTCTGCACAGATATCTTCCATCTGTGTCCCTGGCGTACGAGAAGGCTGAGAGCGAC
 ATCATGCACCTGCGCCACGGAACCCTAAGCGTGACCGGTTGGTCAACGAACCCCTGGCTGCTTATTCT
 ATTTCCAGATTGGTGCCATTGATCATTGCGCGCTTGTGACTACTTACGGCCATGGCGCAGGAGGG
 CTGTTCCCTCTGTTGTGTAGGACTGCGGCCAATGGGAGGACCACCATCTACAAGTCTTCAAGAC
 AGCTACGGCCAGGAATGGACATTTGGTCAAGCGCTGTACCAGCAGTACACCTGTTACACCGTGTCTTCA
 TCAGCATCGAGATGTGCCAGATCGCAGATGTCCTCATCCGAAGACACGGCGCCTCTGTTTTCCAGCA
 GGGATTCTCAGGAACAAGATCCTGGTATCGCCATCGTGTCCAGGTCTGCATTGGCTGCTTCTGTGC
 TACTGCCCAGGGATGCCTAACATCTTCAACTTCATGCCATCCGGTCCAGTGGTGGCTGGTCCCATGC
 CCTTCGGCCTTCTCATCTTGTCTATGATGAGATCCGGAACCTGGAGTTCGCTGTTGCCAGGGAGCTG
 GTGGGACCAGGAACCTACTAT**TAG**

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Ascl-RsrII

ACCN:

NM_001290627

Insert Size:

3105 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).

OTI Annotation:

Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001290627.1](#), [NP_001277556.1](#)

RefSeq Size: 3497 bp
RefSeq ORF: 3105 bp
Locus ID: 11944
Cytogenetics: 7 19.2 cM