

Product datasheet for MC223230

Atp4a (NM_018731) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp4a (NM_018731) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atp4a
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223230 representing NM_018731 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC
GCC

ATGGGGAAGGCAGAGAATTATGAACTGTACTCAGTGGAACTGGGGTCTGGCCCTGGTGGGGACATGACTG
CCAAGATGAGCAAGAAGAAGGCAGGAGGTGGGGAGGCAAGAAGAAGGAGAAGCTGGAGAACATGAAGAA
GGAGATGGAGATTAACGACCACAGCTATCAGTGTCTGAGCTGGAGCAGAAGTATCAGACCAGCGCCACC
AAGGGCCTGAAGGCGAGCCTGGCAGCTGAGCTGCTGCTGAGGGATGGACCAATGCGCTCCGGCCACCTC
GGGGCACTCCCGAGTATGTGAAGTTTGGCCGTGAGCTGGCAGGTGGTCTGCAGTGCCTCATGTGGGTGGC
TGCTGCTATCTGCCTCATTGCCTTTGCCATCCAGGCCAGCGAGGGTGACCTGACCACTGATGATAATCTG
TACCTGGCGGTGGCACTCATTGCTGTGGTTGTGGTCACTGGCTGTTTTGGCTACTACCAGGAGTTCAAGA
GCACAAATATCATCGCCAGCTTCAAGAATCTTGTACCCAGCAAGCCACTGTGATCCGAGACGGGGACAA
GTTCCAGATCAACCGGATCAGCTTGTGGTGGCGACCTGGTGGAGATGAAAGGCGGGGACCGCTGCCA
GCAGACATCCGCATTCTGTGAGCCAGGGCTGCAAGGTGGACAACCTCTCGCTCACTGGAGAGTCTGAAC
CGCAGACCCGCTCGCCGAGTGTACACATGAGAGTCCCCTTGAGACCCGCAACATCGCCTCTTCTCCAC
CATGTGTCTGGAGGGAACAGCTCAGGGTTTGGTGGTGGACCCGCGATCGCACCATCATTGGGCGCATC
GCCTCGCTGGCCTCGGGTGTGGAACGAGAAGACTCCGATTGCAATCGAGATTGAACATTTTGTGGACA
TCATTGCCGGCCTGGCCATCCTCTTGGTGGCCATTCTTGTGGTGGCCATGTGATTGGCTATACCTT
CCTTCGGGCCATGGTCTTCTTATGGCCATTGTGGTAGCCTATGTGCCTGAGGGGCTGCTGGCAACTGTC
ACAGTCTGCCTGTCACTGACAGCAAAGAGTTGGCCAGTAAAACTGCGTGGTTAAAACTTAGAAGCAG
TTGAGACCCTAGGTTCTACATCAGTCACTGCTCAGACAAGACAGGAACCTCACTCAGAACCAGTACGAC
GGTGTCTCATCTATGGTTTGGACAACATATCCACACGGCGGACACCACAGAAGACCAGTACAGGGCAAACG
TTCCAGTCAGTCGTCGAGACATGGCAGCGCTGTGCCGCTGCTCACCCTGTGCAACCCGCGCTTCA
AGTCCGGCCAGGACGCGGTGCCGTGCCAAGCGCATCGTGATCGGAGACGCGTCAAGACTGCGCTGCT
CAAGTTTTCGGAGCTGACGTTGGCAACGCCATGGGTTACAGGGACCGCTTCCCAAAGTTTGGCAGATC
CCCTTCAACTCCATCAACAAGTTCCAGCTGTCCATTACACCCTGGAGGATCCACGCGACTCCCGGCACC
TGCTGGTGTGAAAGGGCGCCCTGAGCGCTGCTGGAGCGTTGCAGCTCCATCCTCATCAAGGGCCAGGA
GCTGCCTCTGGACGAGCAATGGCGTGGGCCTTCCAGACAGCCTACCTCAGCCTGGGAGGCTAGGCGAA



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CGTGTTCTTGGTTTCTGCCAGCTCTACCTGAATGAGAAGGACTACCCACCTGGCTATGCCTTTGATGTGG
 AGGCCATGAACCTTCCGAGTAGTGGCCTCTGCTTTCGGGACTTGTATCCATGATTGACCCCTCCCGGGC
 CACCGTTCCTGATGCTGTGCTCAAATGCCGCACGGCAGGCATCCGGGTGATCATGGTGACCGGTGACCAT
 CCCATCACGGCCAAGGCCATCGCAGCCAGCGTGGGTATCATCTCAGAGGGCAGCGAGACAGTGAAGACA
 TCGCCGCCCGCTCCGGATGCCGGTGGACCAGTTAATAGGAAGGATGCCCGGCCCTGCGTGATCAATGG
 TATGCAGCTGAAGGACATGGACCCGTCTGAGCTGGTGGAGGCGCTACGCACCCACCCTGAGATGGTGT
 GCTCGAACCAAGTCTCAGCAGAAGCTGGGTGCCATTGTGGCTGTAAACAGGGGATGGTGTGAATGACTCCC
 CAGCCCTGAAGAAAGCTGACATTGGTGTAGCCATGGGCATTGCTGGCTCGGATGCTGCTAAAAATGCTGC
 TGACATGATCTTGTGGATGACAACCTTTGCTTCCATTGTGACAGGCGTGGAGCAGGGCCGACTGATCTTT
 GACAACCTGAAGAAATCCATTGCATATACACTGACCAAGAACATTCCAGAAGTACACCCCTACCTTATCT
 ATATCACTGTCAGTGTGCCCTACCCCTTGGGTGTATCACCATTCTTTCATAGAAGTCTGCACAGATAT
 CTTTCCATCTGTGTCCTGGCGTACGAGAAGGCTGAGAGCGACATCATGCACCTGCGCCACGGAACCT
 AAGCGTGACCGGTTGGTCAACGAACCCCTGGCTGCTTATTCTATTTCCAGATTGGTCCATTGAGTAT
 TTGCCGGCTTTGCTGACTACTTACGGCCATGGCGCAGGAGGGCTGGTCCCTCTGTTGTGTGAGGACT
 GCGGCCACAATGGGAGGACCACCATCTACAAGATCTTCAAGACAGCTACGCCAGGAATGGACATTTGGT
 CAGCGCTGTACCAGCAGTACACCTGTTACACCGTGTTCATCAGCATCGAGATGTGCCAGATCGCAG
 ATGTCCTCATCCGAAGACACGGCGCCTCTGTTTTCCAGCAGGGATTCTTCAGGAACAGATCCTGGT
 GATCGCCATCGTGTCCAGGTCTGCATTGGCTGCTTCTGTGCTACTGCCAGGGATGCCTAACATCTTC
 AACTTCATGCCATCCGGTTCAGTGGTGGTCCCATGCCCTTCGGCTTCTCATCTTTGTCTATG
 ATGAGATCCGAAACTTGAGTTCGCTGTTGCCAGGGAGCTGGTGGGACCAGGAACCTACTAT **TAG**

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Ascl-RsrII

ACCN:

NM_018731

Insert Size:

3078 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_018731.3](#), [NP_061201.2](#)
RefSeq Size:

3470 bp

RefSeq ORF:

3078 bp

Locus ID:

11944

Cytogenetics: 7 19.2 cM