

## Product datasheet for **MC223897**

### Atp13a4 (NM\_001164612) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Atp13a4 (NM\_001164612) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Atp13a4  
**Synonyms:** 4631413J11Rik; 4832416L12; 9330174J19Rik  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223897 representing NM\_001164612  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGGTGACCACCTTGAGAAGAGCCAGCATGCTTTACTCAATGAAGGGGACGAGAATGAGATGGAATAT  
TTGGCTATCGGACTCAAGGCTGTCGGAAGGCTCTTTGTCTCATTGGATCCATCTTCTCTTGGAAATGCT  
CCCATTGGTATTTTATTGGAGACCAGCTTGGCGTGTATGGCAAAGTGTGCCATGTTCCCTGCAAGAA  
GCAGATGTTGTGTGCTGAAGACAACAGATGAATTCAAAATTTATTCTTGAAAAAGTAATATGGATCT  
CCCTGTCAGCACTGAGCAGCACATCTGGTCTCACGCCTGACCACCCTCTCATTACAGACGAGGGATACAT  
CATAAACAGAGCCATCCGAAAGCCAGATCTAAAGGTGAGATACATAAAAGTGCAGAAAAACGATATGTT  
TGAATAATTTGGAAGGACAGTTTCAGAAAAATTGGCTCCCTGGAAGACTGGCTCAGTTCTGCAAAGATAC  
ATCAGAAATTTGGATTAGGTCTGACTTCAGAGGAACAAGAGATCAGGAGGTTAATATGTGGGCTAATGC  
TATTGATGTTGAAATCACACCTATTTGAAACTGCTCATCAAGGAGGTTCTGAATCCATTTTACATCTTT  
CAACTCTTCAGCGTCTGTTTGTGGTTCAGTGAAGATTACAAGGAATATGCTCTTGCCATCATCCTCATGT  
CTGTCAATTTCCATAGCTTTGACCGTGTATGACCTCAGACAGCAATCTGAAAAGTGCACCATCTTGTGTA  
ATCCATAATAGCATTACAGTCTCTGTGTATGAGCGAAAAGCTGGAGCCCAAGACCTGGAATCCCGCCTC  
CTGGTGCCTGGAGATTTATTAATCTGACAGGGAGCAGAGTGCAATGCCGTGTGACGCCATTCTGATTG  
ACGGCAGCTGTGTGGTAGATGAAGGCATGCTGACAGGAGAAAGCATTCTGTCACTAAAAGTCCACTATC  
CCAGACAGCTAGTTCTGTGCCCTGGAAGATGCAGTCTGAAGCAGATCCCAGGCGGCATGTTCTCTTCTGT  
GGTACGGAGGTGATCCAGGCCAAGGCAGCTGGCTCTGGGGCTGTAAGAGCCGTGGTCTGCAGACAGGAT  
TCAACTGCAAAGGGGACCTCGTGAGATCCATCCTGTACCCGAAGCCCATGAAGTCAAGCTCTACAG  
GGATGCCATCAGGTTTCTCCTTTGCCTTGTAGGACAGCCACCATTGGCATGGTCTATACTCTGTGTGTC  
TATGTGCTCAGTGGGAACTCCGGAGGAGGTGGTAAGGAAAGCCCTGGATGTTATTACCATTGCAGTGC  
CTCCCGCTCTCCCTGCTGCCCTGACCACAGGCATCATCTATGCCAGAGGAGGCTGAAAAAGAAGGGCAT  
ATTCTGCATTAGCCCCAGAGGATCAATGTTTGTGGACAGTTAAACCTTGTCTGCTTCGACAAGACAGGC  
ACCTTAACGAGGGGAGGCTTGGATCCTTGGGGAGTTGTACCCTGTGACCAAGATGGATTTTCAGGCAGTCC



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ACAGTTTTGCCTCAGGCAAAGCTTTGCCTCAGGGTCCACTGTGTGCAGCCATGGCCAGCTGCCACTCTCT  
 GATTCTCCTTGATGGCACTATTCAGGGAGACCCTCTGGACCTGAAGATGTTTGAAGCCACCAATGGGAA  
 ATGACTGCTTCTGGGGATGACTTCCATATCAAGGAAATGCTGGCAGACACCATAGTAGTGAAGCCTACAG  
 ACATGGTGGCCAGGTCCCAGCGGAAGGACTCGCAATCGTCCATCAGTCCCATTCTCATCAGCACTACA  
 GAGGATGACGGTCATCGTCCAGGAGATGGGAGGTGGCCGACTGGCGTTCATGAAAGGTGCACCGGAGAGA  
 GTGGCCAGCTTTTGCCAACTGACACAGTACCAACTAGTTTTATTAGTGAACCTCAGATTTACACAACAC  
 AGGTTTTCCGAGTCATAGCTCTGGCCTACAAGAAGCTGGAAATGGACTGCCCCACAACCTGCCTTGATGAG  
 GGAGAAGGTGGAATCAGACCTGGTATTTCTGGGATTGCTGATCCTGGAGAATCGATTGAAGGAAGAGACC  
 AAGCCTGTGTTAGAAGAGCTCATCTCTGCCGGATACGGACTGTCATGATCACAGGTGACAACTTTCAGA  
 CTGCAATAACAGTGGCTAGGAAGTCTGGGATGGTTCCGAAGGCCAGAAAGTCATTCTTGTGAGGCAAA  
 TGAAGCCACTGGCTTTCATCGGCATCTATCTTGGAAATTAGTGAAGAGAAGAAACCTGGTCCATTT  
 GGGAGTCAGGACACCTATATCAACATTAGAGAGGAAGTCCAGAAAATGGCAGAGACGGAAGCTACCATT  
 TTGCCCTGAGTGGAAAATCCTTTCATGTTATAAGCCAATATTTCCAGCAGCTTATTGCCAAAGATACTGAT  
 CAATGGGACCATCTTGAAGAATGTCTCTGGGCAAAAGTCAAGCCTGGTGAAGAATTCAGAAAAGT  
 GACTACTTTGTAGGTATGTGTGGAGATGGTCCAAATGACTGTGGGGCCCTGAAGATGGCTCATGTGGTA  
 TCTCTTTATCAGAGCAGGAGGCATCGGTGGCCTCTCCTTTCACTTCCAAGACTCCAACATCGAATGCGT  
 GCCACATCTCATCAAGGAAGGCCGCGTCTCTCGTTACATCCTTTTGCATGTTAAGTACATGGCCCTC  
 TACAGCATGATTCAGTATGTTGGTGTCTGCTGCTCTACTGGAAGACAAACAGCCTTTCAAATTACCAGT  
 TTCTATTCCAGGATCTGGCCATCAGCACTTATTGGTGAACAATGAATCTGAATGGTCCAAACCCCAA  
 GCTCGTGCCTTTAGACCCGAGGGCGGCTGATCTCACCACCTCTTCTGCTCTCGGTTGCCTCAACATC  
 CTGCTCAGTTTGGCCATGCACATCGTGGGCTTCATCCTGGTGCAGAAGCAGCCTTGGTATATCATGGACT  
 ATCACAGTGTCTGCCCTGTGAGGAATGAGAGCGCCTCAGCCTTAGCTGCATCTCCAGCGTTCCTGAGAA  
 AACCCAGAAGTAACAGCACCTTTGCGAGTTTTGAGAATACGACAATATGGTTTTTGGGAACAATCAACTGT  
 ATCTTTGTGGCTCTTGATTCTCTAAAGGAAAGCCATTTAGGCAGCCACCTATACAAACTATATATTTG  
 TCCTTGTGCTGATCTTACAGATGGGCGTATGTCTTTTCTATTCTATTGCGGATATCCCAGAGATGCATAG  
 GCGTTTGGACCTGCTCTGCACTCCTGTCTGTGGAGAGTCTACATTCTCATCATGATCAGCTCCAACCTTT  
 GTTGTGTCCTTGTGTGGAGAAGGCCATTATTGAAAACCGAGCTCTGTGGATAGCAGTCAAAAAGATGTT  
 TTGGTTATCAATCAAAAAGTCAATCGGATATGGCAGAGGAAGTGGCAAAATGATTCAAGCTGGCCCCC  
 ACTGAACCAAACCTCTACTCTGACATGCAGGGGGTGTCTACAGCAACCCGGTGTGTTGAGAGCAATGAG  
 GAGCAACTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_001164612

**Insert Size:**

3582 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\_001164612.1, NP\_001158084.1

**RefSeq Size:** 4114 bp

**RefSeq ORF:** 3582 bp

**Locus ID:** 224079

**Cytogenetics:** 16 B2