

Product datasheet for **RN217506**

Atp13a2 (NM_001173432) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp13a2 (NM_001173432) Rat Untagged Clone
Tag: Tag Free
Symbol: Atp13a2
Synonyms: RGD1307977
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN217506 representing NM_001173432
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCGCAGACAGCAGCCCGCTCCTGGGCAGCACGCCCCCAGCTATGGGACCCTGATGACAGGGACAT
CAATCGATCCCCTCAGCTCCTCAGTTTCATCCGTGAGGCTCAGCGCTACTGTGGCAGTCCATGGAGGGC
CATCGGCTATCAGCCCGGTCTGGATGCTGGCCGGGATCCCTTGCTGCTATTCGCTGGAAGCCCTTG
TGGGGCGTGCGCCTGCGCCTGAGGCCATGCAGCCTGGCCCGCCGAAACTCGTTATAGAAATAAGAG
ACAAAGAGGGTAGCTCCAGACAGCTCTTACTGTCCAGGTGCAGACTGAGGCTGTTGTCGACGGCAGCCT
GGAGCTGCCCTCACAGGCCAAGGCAGAGGATGGCCGGAGCCTGGCGGCCGTGGGAGTGGCACC GGAGAGC
ATGTGGCAGGACTACGCAGCTCCACAGGCAGAAAGAGGCAAAGCAGGTAAGTGCCTATTACATCCTCC
AGGGCCAACGCTATGCTGGATGGAGACCCAGCAAGCCTTCTGCCAAGTCAGCCTGCTGGACCACGGTGC
TGCCTGCGATGACATCCATTGCTCCAGTTCTGGCCTCAGCCTCCAGGACCAGGCTGTGAGGAAGACCATT
TACGGCCCCAACGTGATTGGTATTCCCGTCAAGTCCTACCTGCAGCTACTGGTGGATGAGGCACTGAACC
CCTACTACGGATTCCAGGCCTTCAGCATCGCCCTGTGGCTGGCTGACCCTACTACTGCTGCTGCTG
CATCTTCCCTCATCTCGGCATCTCCATCTGCCTGTCTCTACAAGACCAGGAAGCAAAGCATGACTCTG
AGGGACATGGTCAAGTTGTCCTGCGGGTGCAGGTGTGCCGACCCGGAGGAGAGGAAGAGTGGGTGGACT
CCAGTGAGCTGGTGCCCGGAGACTGCCTGGTGTGCCAGGAGGGCGGAATGATGCCGTGTGATGCTGC
TCTGGTGGCCGGGAGTGTGTGGTCAATGAGAGCTCCCTGACAGGAGAAAGCATCCAGTGTGAAGACA
GCCCTGCCAGAGGGGCCCGCCACTACTGCCAGAGACCCACGGCGGCACACTCTCTTCTGTGGCACCC
TCGTTCTGCAGGCCCGGGCTACCTGGGACCCGTGTCTAGCCGTGGTAACTCGGACAGGGTTCTGCAC
AGCCAAAGGGGGCTGGTGGTCCATCTACACCCACGGCCCATCAGCTTCAAGTTCTACAGACACAGC
ATGAAGTTTGTGGCAGCGCTGTCCGTCTGGCTCTGCTCGGTACCATCTACAGCATCATCTTCTTACC
GAAACCGGGTGCCGTGAAGGAGATCGTGATCCGAGCTCTGGACCTGGTACGGTGGTGGTACCACCCGC
CCTGCCGGCCGCATGACCGTGTGCACACTTACTCCCAGAGCCGGCTGCGTACACAGGGCATCTTCTGT
ATCCACCCGCTGCGCATCAACTTGGGGGCAAGCTGCGCCTCGTGTGCTTCGACAAGACAGGCACCCCTCA



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CGGAGGACGGATTGGACATAATGGGGTGGTGCCCTAAAGGGGACAGATGTTGCTGCCACTGGTCCCAGA
GCCCTGCCACCTGCCCCAGGGCCCTCTCCGAGCACTGGTCACCTGTCATGCCCTCAGCCAGCTACAT
GATACCTTGGTGGGCGACCCCATGGATCTCAAGATGGTGGAGTCTACAGGCTGGGCTTAGAGGAGGGTT
CGGCTGCAGGCTCAGCACCTGGGACCCAGGTCTTGGTGGTAATGCGACCCCCACCCAGGGGGCTCAGCA
ACAGGAAGAGTACCAGAGCCAGTCAGTGTCTCCGCCGCTTCCCCTTCTCTGCCCAGCAGCGGATG
CACGTGGTGGTGACATGGCCAGGGGCCACCCAGCCTGAGGCCTACGTCAAAGCTCCCCAGAGCTTGTGG
CCAGCTCTGCAGCCCCGAGACAGTGGCCAGAGACTTTCCTCAGTACTGCAGAGCTACACAGCTGCTGG
CTACCGAGTTGTGGCCCTGGCTGGCAAGCCACTGCCACTGCGCCAGCCTTGAGGCCGCTCAGCAGCTG
ACAAGGGACACTGTGGAGCAGGAGCTGAGCCTCCTGGGGCTGCTGGTTCATGCGGAACCTGCTGAAGCCAC
AGACGACCCAGTTATACAGACCCTGAGGAAGACGGGCATCCGTAAGTGTGTTATGGTGACAGGGGACAACCT
GCAGACAGCAGTCACGGTGGCCAAAGCGTGTGGCATGGTGGGCACCCAGGAGCACCTGGCTATCATCCAT
GCCACCCACCCTGAGCAGGGCCAGCCTGCTGCCCTTGTGTTCTGCCAACTGAGCCCTCTGCGGCCATGA
ATGGGGCAAAGGATCCTGTGCAGGCCACGGACTACCCCGTGGAGCCGGAGTCCCAGTCCCCTCACCTGGC
CCTCAGTGGTCCACGTTTGTGTCTTTCAGAAGCACTTCCCAAGCTGTGCCAAAGTCTGGTGCAG
GCCACCGTCTTTCGCCGATGGCCCCGGAGCAGAAGACACAGCTAGTGTGTGAATTCAGAGACTTCAGT
ACTGCGTGGGCATGTGCGGGGATGGAGCCAATGACTGTGGGGCCCTGAAGGCGGCTGACGTGGGCATCTC
ACTGTCCCAGGCAGAGGCTCAGTGGTCTCTCCGTTACCTCCAGCATGGCCAGTATTGAATGTGTGCC
ACTGTTCATCAGGAAGGCCGCTGCTCTGTGACACTTCATTCAGCGTCTTCAAGTATATGGCCCTATACA
GCCTGACCCAGTTCATCTCTGTCTCATTTCTACACAATCAACACCAACCTGGGAGACCTACAGTTCTT
GGCCATCGACCTGTTTCATCACCACCAGGTTGCCGTGCTCATGAGCCGCACCGGCCCTGCACTGACCTTG
GTGCGAGCACGGCCACCAGGGCGCTGCTGAGCGTGCCTGACTTGGCAGTTTGTGTGCGAGGTGGCCT
TGGTGGCCGGCATCCAGCTTGGGGGCTACTTTTGGTTCATAGCTCAGCCCTGGTTGTGCCTCTGAACAG
AACTGTACCCGACCTGACAACCTGCCAACTACGAGAACACAGTGATCTTCTCTGTCTGGCTTCCAG
TACCTCATCCTGGCCGACGCGGTCTAAGGGGGCACCCCTCCGCCAGCCGCTTACACCAACGGACTGA
GGAACATTGCGGACAGCTCTTCAAGTTGCTGCTGCTGGGTCTGGTTCGCTTCAACTTTGTGGGCGCCTT
CATGCTGGAGAGCGTGTGGACCAGTGTCTCCAGCCTGCCTGCAGTGGCTGCGGCCATAACGGGCTCC
AAGAAGCAATTCAAGCAGCTACAACGGGAGCTTGTGAACGTCCATGGCCACTCTGCCGTTGGCTCCA
TGAGGTAG
    
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
    
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001173432
- Insert Size:** 3438 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_001173432.1](#), [NP_001166903.1](#)

RefSeq Size: 3905 bp

RefSeq ORF: 3438 bp

Locus ID: 362645

Cytogenetics: 5q36