

Product datasheet for **MC208163**

Atp4b (NM_009724) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp4b (NM_009724) Mouse Untagged Clone
Tag: Tag Free
Symbol: Atp4b
Synonyms: AV080843
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208163 representing NM_009724
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGCCCTGCAGGAGAAGAAGTCATGCAGCCAGCGCATGGCCGAATTCGGCACTACTGTTGGAACC
CGGACACTGGGCAAATGCTGGGCCGACCCAGCCGGTGGGTGTGGATCAGCCTGTACTACGCAGGTTT
CTATGTGGTCATGACCGGCTCTTTGCCTTGTGCATCTATGTGCTGATGCAGACCATTGACCCTACACC
CCAGACTACCAGGACCAGTTAAAGTCACCAGGGTAACCTTGAGACCGGACGTGTATGGGAAAGAGGGC
TGAAGATTTCTACAATGTCTCTGAAAACAGTTCTGGGCTGGCCTCACACACACCCTGCACAGTTCTT
AGCAGGCTATACCCAGCATCCCAGCAGGACAGCATCAACTGTACATCTGAAAAGTACTTCTCCAGGAG
AGCTTTGCAGCTCCAAACCACACCAAGTTCTCCTGCAAGTTCACTGCAGACATGCTACAAAAGTCTCAG
GCCTGGCGGACCCAGCTTCGGCTTCGAGGAGGGGAAGCCCTGCTTCATTATTAATGAACAGAATTGT
CAAGTTCTCCAGCAACAACACAGCTCCCGAGTGGACTGCACCTCCAGGATGATCCCCAAAAGCCC
CGGAAGGACACTGAACCCCTGCAGTTCGAGTACTATCCCCCAATGGCACCTTCAGTCTCCACTATTTCC
CCTACTATGGCAAGAAAGCACAGCCCCACTACAGCAACCCTCTGGTGGCAGCAAGCTCCTCAACGTC
CAAGAACATGCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG
CCCTACGAAGGGAAGGTGGAGTTTAAACTTACAATACAGAAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_009724
Insert Size: 885 bp



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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:	<ol style="list-style-type: none">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_009724.2</u> , <u>NP_033854.1</u>
RefSeq Size:	1327 bp
RefSeq ORF:	885 bp
Locus ID:	11945
UniProt ID:	<u>P50992</u>
Cytogenetics:	8 5.89 cM
Gene Summary:	Required for stabilization and maturation of the catalytic proton pump alpha subunit and may also involved in cell adhesion and establishing epithelial cell polarity.[UniProtKB/Swiss-Prot Function]