

Product datasheet for **MC227227**

Atp1b4 (NM_001290389) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp1b4 (NM_001290389) Mouse Untagged Clone
Tag: Tag Free
Symbol: Atp1b4
Synonyms: 1110020B02Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC227227 representing NM_001290389
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGACGGCAACTCCGCTCCAGAAGGGCTCCCGCCTTTCCTTACGGTTATCGCTACAGACTTGATGATC
 AGGATGAAGCGAATCACAACACTTAGCAGATGAAGAGGAGGAAGCTGAAGAGGAGGCTCAGGTGATGAT
 GGTGCCTGGTCTAGAGGAAGAGGAAGAAGAGGAGGAAGAAAAGAGGAGGAGGAAGAAAGGGAGGAAGAA
 GAAGGTACAGGTCAACAGGCAGTGCCTGGTGGCGGAAATTGACAGATCGTGAATGAATACCTGTGGG
 ACCCGGAGAAAAGGATGTCTCTGGCCGAACAGGTCTTATTTTAGTCATTTACTTCTTCTATGCCTC
 CCTGGCTGCCGTGATCACCTGTTATATACATGCTGTTCTAGCCATCAGTCTTACATGCCGACCTTC
 ACCGAGCAGGTGAAACCTCCTGGAGTTATGATCAGACCTTCGCTCATAGCCTTAACTTCAACTTCAACG
 TTTCTGAACCTGAAACTTGGCAGCGTTACGTGATTAGCCTAAATGGCTTCTCCAGGGCTATAATGACAG
 TCTTCAAGAGGAAATGAATATAGATTGCTCCTCCGGTCCGTTACTCATCCAAGATGGAGATGAAGATGAG
 GACAAGAAGGCCGTCCTCAATTTAAGCGCTCCTTCCCTGAAGAATTGCTCTGGGTTGGAGGATCCCACCTTTG
 GATACTACTGGACAGCCTTGATCCTCCTCAAGATGAACCGGATTGTAGGCTCCGCTCCTGAGTTTGG
 AGATCCTGTGAAGGTGCTGCAAAGTTGAGAAAGGTGATGAAAATGACATTCGATCCATCAATTAATAC
 CCGGAGTCCGCTTCTTTGACCTCCGCTACTACCTTACTATGGCAAACCTGACTCATGTTAACTACACCT
 CCCCCTGGTGGCAATGCATTTTACAGATGTGGTGAAGAACAAGCAGTGCCTGTACAGTGCCAGCTGAA
 GGGCAAAGGCATCGTAAATGATGTCATCAATGATCGTTTTGTTGGGAGGATAATCTTTACCTGAACATA
 GAAACCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001290389



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Insert Size:	1059 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:	<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_001290389.1, NP_001277318.1</u>
RefSeq Size:	4266 bp
RefSeq ORF:	1059 bp
Locus ID:	67821
UniProt ID:	<u>Q99ME6</u>
Cytogenetics:	X A3.3
Gene Summary:	<p>May act as a transcriptional coregulator during muscle development through its interaction with SNW1. Has lost its ancestral function as a Na,K-ATPase beta-subunit (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.</p>