

## Product datasheet for **MC210630**

### **Atp1b4 (NM\_133690) Mouse Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Atp1b4 (NM_133690) 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:	>MC210630 representing NM_133690 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAGACGGCAACTCCGCTCCAGAAGGGCTCCCGCCTTTCCTTACGGTTATCGCTACAGACTTGATGATC  
AGGATGAAGCGAATCACAACACTTAGCAGATGAAGAGGAGGAAGCTGAAGAGGAGGCTCAGGTGATGAT  
GGTGCCTGGTCTAGAGGAAGAGGAAGAAGAGGAGGAAGAAAAGAGGAGGAGGAAGAAAGGGAGGAAGAA  
GAAGGTACAGGTCAACAGGCAGTGCCTGGTGGCGAAATTGCAGATCGTGAATGAATACCTGTGGG  
ACCCGGAGAAAAGGATGTCTCTGGCCCGAACAGGTCAGAGTCGGAGTCTATTTTATGCATTTACTTCTT  
CTTCTATGCCTCCCTGGCTGCCGTGATCACCCCTGTTTCATATACATGCTGTTCTAGCCATCAGTCCTTAC  
ATGCCGACCTTACCCGAGCAGGTGAAACCTCCTGGAGTTATGATCAGACCCTTCGCTCATAGCCTTAACT  
TCAACTTCAACGTTTTCTGAACCTGAAACTTGGCAGCGTTACGTGATTAGCCTAAATGGCTTTCTCCAGGG  
CTATAATGACAGTCTTCAAGAGGAAATGAATATAGATTGTCCTCCGGTCCGTTACTTCATCCAAGATGGA  
GATGAAGATGAGGACAAGAAGGCCTGCCAATTTAAGCGCTCCTCCTGAAGAATTGCTCTGGGTTGGAGG  
ATCCCACCTTTGGATACTCTACTGGACAGCCTTGATCCTCCTCAAGATGAACCGGATTGTAGGCTTCCG  
TCCTGAGTTGGAGATCCTGTGAAGGTGCTGCAAAAGTTCAGAAAGGTGATGAAAATGACATTTCGATCC  
ATCAATTACTACCCGGAGTCCGCTTCTTTTACCTCCGCTACTACCTTACTATGGCAAACCTGACTCATG  
TAACTACACCTCCCGCTGGTGCAATGCATTTTACAGATGTGGTGAAGAACCAAGCAGTGCCTGTACA  
GTGCCAGCTGAAGGGCAAAGGCATCGTAAATGATGTCATCAATGATCGTTTTGTTGGGAGGATAATCTTT  
ACCCTGAACATAGAAACCTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_133690



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<b>Insert Size:</b>	1071 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_133690.3</a></u> , <u><a href="#">NP_598451.1</a></u>
<b>RefSeq Size:</b>	4278 bp
<b>RefSeq ORF:</b>	1071 bp
<b>Locus ID:</b>	67821
<b>UniProt ID:</b>	<u><a href="#">Q99ME6</a></u>
<b>Cytogenetics:</b>	X A3.3
<b>Gene Summary:</b>	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] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).