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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
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC210630 representing NM_133690
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGACGGCAACTCCGCTCCAGAAGGGCTCCCGCCTTTCCTTACGGTTATCGCTACAGACTTGATGATC
AGGATGAAGCGAATCACAACTACTTAGCAGATGAAGAGGAGGAAGCTGAAGAGGAGGCTCAGGTGATGAT
GGTGCCTGGTCTAGAGGAAGAGGAAGAAGAGGAGGAAGGAAAAGAGGAGGAGGAAGAAAGGGAGGAAGAA
GAAGGTCAGGGTCAGTCAACAGGCAGTGCCTGGTGGCGGAAATTGCAGATCGTGAATGAATACCTGTGGG
ACCCGGAGAAAAGGATGTCTCTGGCCCGAACAGGTCAGAGTCGGAGTCTTATTTTAGTCATTTACTTCTT
CTTCTATGCCTCCCTGGCTGCCGTGATCACCCTGTTCATATACATGCTGTTCCTAGCCATCAGTCCTTAC
ATGCCGACCTTCACCGAGCAGGTGAAACCTCCTGGAGTTATGATCAGACCCTTCGCTCATAGCCTTAACT
TCAACTTCAACGTTTCTGAACCTGAAACTTGGCAGCGTTACGTGATTAGCCTAAATGGCTTTCTCCAGGG
CTATAATGACAGTCTTCAAGAGGAAATGAATATAGATTGTCCTCCGGGTCGGTACTTCATCCAAGATGGA
GATGAAGATGAGGACAAGAAGGCCTGCCAATTTAAGCGCTCCTTCCTGAAGAATTGCTCTGGGTTGGAGG
ATCCCACTTTTGGATACTCTACTGGACAGCCTTGCATCCTCCTCAAGATGAACCGGATTGTAGGCTTCCG
TCCTGAGTTTGGAGATCCTGTGAAGGTGTCCTGCAAAGTTCAGAAAGGTGATGAAAATGACATTCGATCC
ATCAATTACTACCCGGAGTCCGCTTCTTTTGACCTCCGCTACTACCCTTACTATGGCAAACTGACTCATG
TTAACTACACCTCCCCGCTGGTGGCAATGCATTTTACAGATGTGGTGAAGAACCAAGCAGTGCCTGTACA
GTGCCAGCTGAAGGGCAAAGGCATCGTAAATGATGTCATCAATGATCGTTTTGTTGGGAGGATAATCTTT
ACCCTGAACATAGAAACCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites: SgfI-MluI

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ACCN:	NM_133690
Insert Size:	1071 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_133690.3, NP_598451.1
RefSeq Size:	4278 bp
RefSeq ORF:	1071 bp
Locus ID:	67821
UniProt ID:	Q99ME6
Cytogenetics:	X A3.3
Gene Summary:	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).

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