

Product datasheet for **MR229438**

Atp1b4 (NM_001290389) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp1b4 (NM_001290389) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Atp1b4
Synonyms: 1110020B02Rik
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229438 representing NM_001290389
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGACGGCAACTCCGCTCCAGAAGGGCTCCCGCCTTTCCTTACGGTTATCGCTACAGACTTGATGATC
AGGATGAAGCGAATCACAACTACTTAGCAGATGAAGAGGAGGAAGCTGAAGAGGAGGCTCAGGTGATGAT
GGTGCCTGGTCTAGAGGAAGAGGAAGAAGAGGAGGAAGAAAAGAGGAGGAGGAAGAAAGGGAGGAAGAA
GAAGGTCAGGGTCAGTCAACAGGCAGTGCCTGGTGGCGGAAATTGCAGATCGTGAATGAATACCTGTGGG
ACCCGGAGAAAAGGATGTCTCTGGCCCGAACAGGTCTTATTTTAGTCATTTACTTCTTCTCTATGCCTC
CCTGGCTGCCGTGATCACCTGTTCATATACATGCTGTTCTTAGCCATCAGTCCCTACATGCCGACCTTC
ACCGAGCAGGTGAAACCTCCTGGAGTTATGATCAGACCTTCGCTCATAGCCTTAACTTCAACTTCAACG
TTTCTGAACCTGAAACTTGGCAGCGTTACGTGATTAGCCTAAATGGCTTCTCCAGGGCTATAATGACAG
TCTTCAAGAGGAAATGAATATAGATTGCCTCCGGTCCGTACTTCATCCAAGATGGAGATGAAGATGAG
GACAAGAAGGCCCTGCCAATTTAAGCGCTCCTTCCCTGAAGAATTGCTCTGGGTTGGAGGATCCCACCTTTT
GATACTACTGGACAGCCTTGCATCCTCCTCAAGATGAACCGGATTGTAGGCTCCGCTCGCTGAGTTTGG
AGATCCTGTGAAGGTGCTCCTGCAAAGTTCAGAAAGGTGATGAAAATGACATTCGATCCATCAATTA
CCGGAGTCCGCTTCTTTTACCTCCGCTACTACCTTACTATGGCAAACCTGACTCATGTTAACTACACCT
CCCCGCTGGTGGCAATGCATTTTACAGATGTGGTGAAGAACAAGCAGTGCCTGTACAGTGCCAGCTGAA
GGGCAAAGGCATCGTAAATGATGTCATCAATGATCGTTTTGTTGGGAGGATAATCTTTACCTGAACATA
GAAACC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR229438 representing NM_001290389
 Red=Cloning site Green=Tags(s)

MRRQLRSRRAPAFPYGYRYRLDDQDEANHNYLADEEEEAEEEAQVMVPGLEEEEEEEEGKEEEEEEREE
 EGQGQSTGSAWRKLQIVNEYLWDEPKRMSLARTGLILVIYFFFYASLAAVITLFIYMLFLAISPYMPTF
 TEQYKPPGVMIRPFAHSLNFNFNVSEPETWQRYVISLNGFLQGYNSLQEEMNIDCPPGRYFIQDGEDDE
 DKKACQFKRSFLKNCSGLEDPTFGYSTGQPCILLKMNRIVGRPEFGDPVKVSKVQKGDENDIRSINYY
 PESASFDLRYYPYKGLTHVNYTSPLVAMHFTDVVKNQAVPVQCQLKGGKIVNDVINDRFVGRIFTLNI
 ET

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

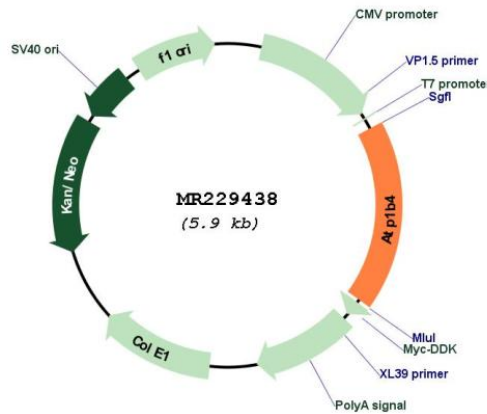
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001290389

ORF Size:	1056 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_001290389.1 , NP_001277318.1
RefSeq Size:	4266 bp
RefSeq ORF:	1059 bp
Locus ID:	67821
UniProt ID:	Q99ME6
Cytogenetics:	X A3.3
MW:	41.4 kDa
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]