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Product datasheet for MC202830

Atp1b1 (NM_009721) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp1b1 (NM_009721) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atp1b1
Synonyms:	At; Atp4b; Atpb; Atpb-1; NKbeta1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>BC027319 sequence for NM_009721
CGCAGCGGCAGCGGCGCGTCTCGCTTTCGGAGACAGAGCCGGGCCGCGGGGACACCGAGCAGCCGCCGCG
AGGACGCCCAGGGCGCGCGCCGCACTCGCCCTCCCTCGGCCTCGGCCGCCACTGCTGAGCAGACACCATG
GCCCGCGGAAAAGCCAAGGAGGAAGGCAGCTGGAAGAAATTCATCTGGAACTCGGAGAAGAAGGAGTTTT
TGGGCAGGACCGGTGGTAGTTGGTTTAAGATCCTTCTGTTCTACGTGATATTTTATGGCTGCCTGGCTGG
CATCTTCATCGGGACCATCCAAGTAATGCTGCTAACCATCAGTGAACTGAAGCCCACATACCAGGACCGA
GTGGCCCCGCCAGGATTGACACAGATTCCCCAGATCCAGAAGACTGAGATCTCCTTCCGTCCTAATGACC
CCAAGAGCTACGAGGCCTACGTGCTAAACATCATCAGGTTCCTGGAAAAGTACAAGGATTCAGCCCAGAA
GGACGACATGATTTTCGAGGACTGTGGCAATGTTCCCAGTGAACCCAAGGAACGGGGCGACATCAATCAC
GAACGAGGAGAGAGGAAGGTGTGCAGGTTCAAGCTTGACTGGCTGGGGAACTGCTCCGGTCTCAATGATG
ACTCTTACGGCTACAGAGAGGGGAAGCCCTGCATCATTATCAAGCTCAACCGAGTGTTGGGCTTCAAACC
GAAGCCTCCCAAGAATGAATCCTTGGAGACTTACCCACTGATGATGAAGTATAATCCAAATGTCCTGCCT
GTTCAGTGCACTGGCAAGAGAGATGAAGATAAGGATAAAGTCGGGAACATAGAGTACTTTGGGATGGGCG
GATACTACGGCTTCCCTCTGCAGTATTATCCCTACTACGGCAAACTCCTGCAGCCCAAGTACCTGCAGCC
CCTGCTGGCCGTGCAGTTCACCAACCTCACCGTGGACACTGAAATCCGCGTCGAGTGTAAGGCGTATGGT
GAGAACATTGGGTACAGTGAGAAAGACCGTTTTCAGGGACGCTTTGATGTAAAAATTGAAATTAAGAGCT
GATCACAAGCACAAATCTTTCCCACTAGCCATTTAATAAGTTAAAAAAAGATACACAAACCTACTAGTCT
TGAACAAACTGTCATACGTATGGGACCTACACTTAATCTCTATGCTTTACACTAGCTTCTGCATTTAATA
GGTTAGAATGTAAATTTAAAGTGTAGCAATAGCAACAAAATATTTATTCTACTGTAAATGACAAAAGAAA
AATAAAAATTGAGCCTTGGGACGTGCCCATTTTTACTGTAAATTAGATTCCGTAACTGACTTGTAGTGAG
CAGTGTTCTGGCCCCTAAGTATTGCCGCCTTGTCTATTTTATTTAGTGTACAGTACTATAGGTGCGCACT
CTGGTCATTTTTCAAGCCATGTTTTATCATATCTGTTTTCTACTTTACGTGAGCAAGGTTTGCTGTCCAA
GGTGTAAATACTCAACGGGAATAAAACTGGCATGGTACTTTTTCCTTTCTTTCTTATTTTCTTGGCTCTG
AAATTTCAAAGGTAACGGCCCATCGATGAGCATTTTTAACACACTCCATAGTCTCTTCCTGTGGTATCAG
GTCTTTATTATTATTTTTTTTTTTTCTTTATTTCCTGGGGCTGGGGGGTGGGCTGTCATGGGGGAACTGC
CCTTTAAATTTTAAGTGACAGTACAGAAAAATCAAGGTGATGGGTTGTGTTGTGCTCCGTGCTGAATGCT
GTCTCGCCATCTCTCCCCGTGTCCTCCAGTGTGTTCTGCAGCTGTGTCTGAGACTGGGATCTGCCTGTCA
CTGTGGCTAGTGATGGGCTGGGTAGTTTGCTTATTCGTCCATTTCCTTTCCTTCTTTCCTTTCTCTGGAG
GCATCATGCGCTGGTGCTGCGTCCTTATGAATGTTTTGACCATTTTCATGGTGGAAGAATTTTATATTTA
TGCAGTTGTACAATTTTATTTTTTTCTGCAAGAAAAAGTGTAATGTATGAAATAAAACCAAAGTCACTTG
TTTGAAAATAAAAATCTTTATTTTGAACTTTATAAAAAGCAATGCAGTACCCCATAGACTGGTGTTAAGT
GTTGTCTACAGTGCAAATCCATGTTCTAGCATATGTAATAATTGCCAGGAGTACAGTGCTCTTGTTGATC
TTGTGTCAGTCAGGTTAACACAACGGACAATAAAAGAATGAACACAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_009721

Insert Size: 915 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:	BC027319, AAH27319
RefSeq Size:	2233 bp
RefSeq ORF:	915 bp
Locus ID:	11931
UniProt ID:	P14094
Cytogenetics:	1 71.75 cM
Gene Summary:	This gene encodes an integral membrane protein that comprises a subunit of an ATP-metabolizing enzyme responsible for transporting sodium and potassium ions across the plasma membrane. This enzyme regulates the electrochemical gradient of these ions in cells, and plays a central role in osmoregulation and signal transmission in nerves and muscles, among other biological processes. The encoded protein is the non-catalytic beta subunit; it works together with a catalytic alpha subunit and a gamma subunit. [provided by RefSeq, Mar 2013]