

Product datasheet for **MC218139**

Atp2b2 (BC075643) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp2b2 (BC075643) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atp2b2
Synonyms:	D6Abb2e; dfw; Gena300; jog; PMCA2; Tmy; wms; wri
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC075643
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTGACATGACCAACAGCGACTTTTACTCCAAAACCAAAGAAATGAGTCGAGCCATGGGGCGGAGT
 TCGGGTGACCATGGAGGAGCTGCGCTCCCTCATGGAGCTGCGGGCACCGAGGCTGGTCAAGATCAA
 GGAGACGTATGGGGACACTGAAGCCATCTGCCGCGCCTCAAACCTCGCCTGTTGAAGGTTTACCAGGC
 ACTGCTCCAGACTTGAAAAGAGGAAACAGATTTTGGGCAAACTTCATACCTCAAAGAAACCAAAAA
 CCTTCTCGACGCTGGTGTGGGAAGCGCTACAGGACGTGACACTTATCATCCTGGAGATCGCGCCATCAT
 CTCCTGGGACTGTCCTTCTACCACCCACCGGGAGAGCAATGAAGGATGTGCCACGGCCAGGGTGGG
 GCAGAGGATGAAGGTGAAGCAGAAGCAGGCTGGATTGAGGGGGCTGCCATCCTGTGTGTCAGTCACTGTG
 TGGTCTGGTACAGCCTTCAATGACTGGAGTAAGGAGAAACAGTTCGGGGCCTGCAGAGCCGAATTGA
 GCAGGAGCAGAAGTTCAGTGTGGTCCGGGCCGGCCAGGTGGTTCAGATCCCTGTGGCCGAGATCGTGGTC
 GGGGACATTGCCAGATCAAATATGGTGACCTTCTCCCGCTGATGGCCTTTCATCCAGGGAAATGACC
 TCAAAATTGATGAAAGCTCACTCACAGGGGAATCTGACCAGGTGCGAAGTCTGTGGATAAGGACCCCAT
 GTTGCTGTGAGGAACCATGTGATGGAGGGCTCAGGACGGATGGTGGTACTGCTGTGGGTGGAAGTCT
 CAGACTGGCATCATATTTACCCTGCTTGGGGCTGGTGGTGAAGAGGAAGAGAAGAAAGACAAAAAGCCA
 AGCAGCAGGATGGGGCAGCTGCCATGGAGATGCAGCCTCTGAAGAGTGCAGAGGGCGCGCATGCAGATGA
 CAAGAAGAAAGCCAACATGCACAAGAAAGAGAAGTCGGTGCTTCAGGGCAAGCTCACAAACTGGCTGTG
 CAGATAGGCAAGCGGGCCTGGTGTGTCGGCCATCACAGTATCATCCTGGTACTTACTTACCCTGGG
 ACACCTTCGTGGTCAACAAGAAGCCATGGCTGACGGAATGCACACCCGCTACGTACAGTACTTTGTCAA
 GTTCTTTCATCATTGGTGTGACGGTGTGGTGGTGCCTGTGCCCGAGGGCCTCCCTCTGGCTGTACCATC
 TCACTGGCCTATTCTGTGAAGAAAATGATGAAGGACAACAACCTGGTACGCCACCTGGATGCCTGTGAGA
 CCATGGGCAATGCCACAGCCATCTGCTCAGACAAGACAGGAACGCTGACCACCAACCGCATGACCCTGGT
 CCAGGCCATGTGCGGTGACGTCCACTACAAGGAGATCCCCGATCCCAGCTCCATCAATGCCAAGACGCTG
 GAGCTGCTGGTCAACGCCATTGCCATCAACAGCGCCTACACCACCAAGATCCTTCCCCCAGAAAAAGAGG
 GAGCCCTGCCCGCAGGTGGGCAACAAGACAGAGTGCAGGCTGCTGGGCTTTGTGCTGGACTTGAGGCA
 GGACTACGAGCCGGTGCAGCCAGATGCCAGAGGAGAAGCTGTATAAGGTGTACACCTTCAACTCCGTG
 CGCAAGTCCATGAGCACCCTCATCAAGATGCCCGACGAGAGCTTCCGCATGTACAGCAAGGAGCACTGGG
 CGGAACCCACACAGCAGAGAGGGAACCAGACCTTCTCTGGCAGCCATGCTGTTTGAAGTCTTTTCACT
 CCTTAGGCCTTGGGCGGGTTCCTGGGGTCACTCTGGAGCAGAGAGTGGCGTGGATTTTTTTTTCTCCA
 AACATAAAAAATAA

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** BC075643
- Insert Size:** 1905 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: [BC075643](#), [AAH75643](#)

RefSeq Size: 4973 bp

RefSeq ORF: 1904 bp

Locus ID: 11941

Cytogenetics: 6 52.85 cM

Gene Summary: This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of calcium out of the cell. Plays a role in maintaining balance and hearing. [UniProtKB/Swiss-Prot Function]