

Product datasheet for **MC228625**

Atp2c1 (NM_001253836) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp2c1 (NM_001253836) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Atp2c1
Synonyms:	1700121J11Rik; ATP2C1A; AW061228; BCPM; D930003G21Rik; HHD; pmr1; SPCA
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228625 representing NM_001253836
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGATCCCTGTAAGTACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 CTGATCTTCAGAAATGGCTTAAACAAATCTGAAGTTAGTCATAGGCGAGCCTTCCATGTTGGAATGAATT
 TGATATCAGTGAAGATGAACCATTATGGAAGAAGTATATTTCTCAGTTTAAAAATCCCTTATCATGCTG
 CTCCTGGCGTCTGCGGTATCAGCATTATAATGCGCCAGTTTGGATGATGCCGTGATGATGAGGCA
 TAGTAATTGTCGACTGTGGCCTTTGTTGAGGAATATCGTTGAGAAAAATCTCTAGAAGAATTGAGTAA
 ACTTGTGCCACCAGAATGCCATTGTGTGCGTGAAGGAAAAGTGGAGCATACTGCCCCGAGACTTGGTT
 CCAGGTGACACAGTTTGTCTCTGTGGGGACAGAGTTCCTGCGGACTTACGCTATTTGAGGCTGTGG
 ATCTTTCTGTGGATGAGTCTAGCTTGACAGGAGAGACAGCTCCGTGCTCTAAAGTGACAGCCCTCAGCC
 AGCTGCTAATGGAGATCTTGGTCAAGAAGTAACATCGCCTTCATGGGGACTGGTCTGATGTGGCAA
 GCAAAGGTATTGTCATTGGAACAGGAGAAAATCTGAATTTGGAGAGGTCTTAAAGATGATGCAGGCAG
 AAGAAGCACAAAAACTCCTCTGCAAGAAGCATGGACCTCTTAGGCAAGCAGCTGTCCTTTTACTCCTT
 TGGTATAATAGGTATCATCATGTTGGTTGGCTGGTTACTAGGAAAAGACATTCTGGAAATGTTCACTATT
 AGTGTAAGCTTGGCTGTAGCTGCAATTCCTGAAGGCCTGCCTATTGTGGTACGGTGACTTAGCCCTTG
 GTGTTATGAGAATGGTGAAGAAAAGGGCTATTGTAAGAAATGCCTATTGTGGAACACTGGGCTGCTG
 TAATGTGATTTGTTGAGATAAACTGGAACCTGACGAAGAACGAGATGACTGTTACTCACATCCTCACT
 TCCGATGGCCTGCATGCTGAGGTCAGGTTGGCTATAATCAGTTTGGTGAAGTATCGTTGATGGTG
 ATGTTGTTTATGGATTTATAACCCAGCTGTTAGCAGAATTGTTGAGGCAGGCTGTGTGCAATGATGC
 TGTAAATAGGAACAACACTCTGATGGGAAAGCCAACTGAAGGAGCCTTAAATCGCTCTTGCTATGAAGATG
 GGTCTTGTAGGACTGCAACAAGACTACATCAGGAAAGTGAATACCCCTTTAGTTCTGAGCAGAAGTGA
 TGGCTGTTAAGTGTGTGACCGAACACAGCAGGACAGACCAGAGATTTGTTTATGAAGGGTGTATTGA
 GCAGGTGATTAAGTATTGTAACATACAAACAGCAAAGGGCAGACTTTGGCACTTACCCAGCAGCAGAGA
 GATTTGTATCAACAAGAGAAGGCACGGATGGGCTCAGCGGGACTCAGAGTTCTTGCCCTGGCGTCTGGTC
 CGGAACGGGGCAGCTGACCTTCCCTGGCCTGGTGGAAATCATTGACCCTCCTAGAAGTGGTGTGAAGGA
 AGCTGTCACAACACTCATTGCCTCAGGAGTCTCCATCAAATGATCACTGGAGATTCTCAGGAGACTGCA
 ATTGCCATCGCTAGTCGCTGGGATTGACTCTAAGACTTCACAGTCCGTGCTGGGGAAGAAGTGCATA
 CAATGGAGGTGCAGCACCTTTCACAGATAGTGCCAAAGGTTGAGTATTTACAGAGCAAGCCCAAGACA
 CAAGATGAAAATTATTAAGTCTCTACAGAAGAACGGGGCAGTTGTAGCCATGACAGGAGATGGGGTAAAT
 GATGCAGTTGCTCTCAAGGCTGCAGACATTGGAGTTGCGATGGGCCAGACTGGCACCGATGTTTGCAAAG
 AGGCTGCAGACATGATCTTGGTGGATGATGATTTCCAAACCATCATG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001253836

Insert Size: 2010 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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:	<u>NM_001253836.1</u> , <u>NP_001240765.1</u>
RefSeq Size:	2482 bp
RefSeq ORF:	2010 bp
Locus ID:	235574
Cytogenetics:	9 F1
Gene Summary:	<p>This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of the calcium.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (4) has a multiple differences, compared to variant 1. These differences result in distinct 5' and 3' UTRs and cause translation initiation at a downstream start codon, compared to variant 1. The encoded protein (isoform 3) is shorter than isoform 1.</p>