

Product datasheet for **MC229209**

Atp2c1 (NM_001253831) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp2c1 (NM_001253831) 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: >MC229209 representing NM_001253831
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAACTTATTGCCTCCGTCGGATTTTCTTACTTGAAAAAGTATCCTCTCCACTCTATTCCGAAAT
 ATTTATCAACGCTGAGAAGCCAAAGGGCCGAAGAGCAGGTTGCACGATTTCAAAGATCCCTAATGTTGA
 AAATGAGACAATGATCCCTGTACTGACGTCAAAGAGAGCAAGTGAGTTAGCAGTCAGTGAGGTTGCAGGC
 CTTCTCCAGGCTGATCTTCAGAATGGCTTAAACAAATCTGAAGTTAGTCATAGGCGAGCCTTCCATGGTT
 GGAATGAATTTGATATCAGTGAAGATGAACCATTATGGAAGAAGTATATTTCTCAGTTTAAAAATCCCTT
 TATCATGCTGCTCCTGGCGTCTGCGGTCATCAGCATTAAATGCGCCAGTTTGATGATGCCGTGATC
 ACTGTGGCAATAGTAATTGTCGTCAGTGTGGCCTTTGTTTCAGGAATATCGTTTCAGAAAAATCTCTAGAAG
 AATTGAGTAAACTTGTGCCACCAGAATGCCATTGTGTGCGTGAAGGAAAAGTGGAGCATACTTGGCCG
 AGACTTGGTTCCAGGTGACACAGTTTGTCTCTCTGTGGGGGACAGAGTTCCTGCGGACTTACGCTTATTT
 GAGGCTGTGGATCTTTCTGTGGATGAGTCTAGCTTGACAGGAGAGACAGCTCCGTGCTCTAAAGTGACAG
 CCCCTCAGCCAGCTGCTAATGGAGATCTTGCCTCAAGAAGTAACATCGCCTTCATGGGGACACTGGTCAG
 ATGTGGCAAAGCAAAGGGTATTGTCATTGGAACAGGAGAAAAATCTGAATTTGGAGAGGCTTTAAGATG
 ATGCAGGCAGAAGAAGCACCAAAACCTCTGCAAGAAGAGCATGGACCTCTTAGCAAGCAGCTGTCTCT
 TTTACTCCTTTGGTATAATAGGTATCATCATGTTGGTTGGCTGGTTACTAGGAAAAGACATTCTGGAAT
 GTTCACTATTAGTGAAGCTTGGCTGTAGCTGCAATTCCTGAAGGCTGCCTATTGTGGTCACGGTGACT
 CTAGCCCTTGGTGTATGAGAATGGTGAAGAAAAGGGCTATTGTAAGAAAATGCCTATTGTGGAACAC
 TGGGCTGCTGTAATGTGATTTGTTTCAGATAAAACTGGAACCTGACGAAGAACGAGATGACTGTTACTCA
 CATCCTCACTCCGATGGCCTGCATGCTGAGGTCACTGGAGTTGGCTATAATCAGTTTGGTGAAGTGATC
 GTTGATGGTGATGTTGTTTCATGGATTTTATAACCCAGCTGTTAGCAGAATTGTTGAGGCAGGCTGTGTG
 GCAATGATGCTGTAATTAGGAACAACACTCTGATGGGAAAGCCAACTGAAGGAGCCTTAATCGCTTTGC
 TATGAAGATGGTCTTGTAGGACTGCAACAAGACTACATCAGGAAAGCTGAATACCCTTTTAGTTCTGAG
 CAGAAGTGGATGGCTGTTAAGTGTGTGCACCGAACACAGCAGGACAGACCAGAGATTTGTTTTATGAAGG
 GTGCTTATGAGCAGGTGATTAAGTATTGACTACATAACAACAGCAAAGGGCAGACTTTGGCACTTACCCA
 GCAGCAGAGAGATTTGTATCAACAAGAGAAGGCACGGATGGGCTCAGCGGACTCAGAGTCTTGCCTTG
 GCGTCTGGTCCGGAAGTGGGCAGCTGACCTTCTTGGCCTGGTGGGAATCATTGACCCTCTAGAAGT
 GTGTGAAGGAAGCTGTCAACAACACTCATTGCCTCAGGAGTCTCCATCAAATGATCACTGGAGATTTCTCA
 GGAGACTGCAATGCCATCGCTAGTCGTCCTGGGATTGACTCTAAGACTTCACAGTCCGTGTCTGGGGAA
 GAAGTCGATACAATGGAGGTGCAGCACCTTTCACAGATAGTGCCAAAGGTTGCAGTATTTTACAGAGCAA
 GCCCAAGACACAAGATGAAAATTATTAAGTCTCTACAGAAGAACGGGGCAGTTGTAGCCATGACAGGAGA
 TGGGGTAAATGATGCAGTTGCTCTCAAGGCTGCAGACATTGGAGTTGCGATGGGCCAGACTGGCACCAT
 GTTTGCAAAGAGGCTGCAGACATGATCTTGGTGGATGATGATTTCCAAACCATCATGTCTGCAATAGAAG
 AGGTAAGGCATTTATAATAACATTAATAATTTTGTAGATTTCAACTGAGCAGGATATAGCAGCATT
 AACTTTAATCTCATTGGCTACGTTAATGAACCTTTCCTAACCTCTCAATGCAATGCAGATTTTGTGGATC
 AATATTATAATGGATGGACCCCGCTCAGAGCCTTGGAGTAGAGCCAGTGGATAAAGATGTCATTGAA
 AACCGCCTCGAAACTGGAAGGACAGCATTGTTGACAAAAAAGTACTTAAATAACTTGTTCATCAAT
 AATCATTGTTTGTGGACTTTGTTGTCTTCTGGCGAGAGCTTCGAGACAATGTGATAACACCCCGAGAC
 ACAACCATGACTTTCACTTGTCTTGTGTTTTTGGACATGTTCAATGCACTGAGTTCAGATCTCAGACCA
 AGTCTGTGTTGAGATTGGACTCTGCAGTAATAAGATGTTCTGCTATGCAGTCTTGGATCCATCATGGG
 ACAGTTGCTTGTCACTTACTTCCCTCTCTCCAGAAGTTTTTCAAACCGAGAGCCTGAGTATACTGGAT
 CTGTTGTTTCTTTGGCCTTACCTCGTCAGTGTGCATTGTGTCTGAGATTATAAAGAAGGTTGAAAGGA
 GCCGGGAGAAGGTCCAGAAGAATGCTGGTTCAGCATCATCGTCTTTCCTTGAAGT**ATGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_001253831
Insert Size:	2859 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_001253831.1, NP_001240760.1</u>
RefSeq Size:	4683 bp
RefSeq ORF:	2859 bp
Locus ID:	235574
UniProt ID:	<u>Q80XR2</u>
Cytogenetics:	9 F1
Gene Summary:	This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of the calcium.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest protein (isoform 1).