

Product datasheet for **RN205038**

Atp2c1 (NM_131907) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp2c1 (NM_131907) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atp2c1
Synonyms:	Spca1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205038 representing NM_131907
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGGTTGCACGATTTCAAAGATCCCTAATGTTGAAAATGAGACAATGATCCCTGTACTGACATCCA
 AGAGAGCAAGTGAGTTAGCAGTCAGTGAGGTCGCAGGCCTTCTCCAGGCTGATCTTCAGAATGGCTTAAA
 CAAATCTGAAGTTAGTCATAGGCGAGCCTTCCATGGCTGGAATGAGTTTATATCAGTGAAGATGAACCA
 TTATGGAAGAAGTACATTTCTCAGTTTAAAAATCCCTCATCATGCTGCTTCTGGCTTCGGCAGTCATCA
 GCGTTTTAATGCGTCAGTTTATGATGCGGTCAGTACTGTGGCAATACTGATTGTTGTCACCGTGGC
 CTTTGTTCAGGAATATCGTTTCAGAAAAATCTTTAGAAGAATTAAGTAACTTGTGCCACCAGAATGCCAT
 TGTGTTCTGTAAGGAAAATTGGAGCATACTTGGCCGAGACTTGGTCCAGGTGATACAGTTTGTCTGT
 CTGTGGGGGACAGAGTTCTGCTGACTTACGCTTATTCGAGGCCGTGGATCTTCCATCGATGAGCTAG
 CTTGACAGGAGAGACAACCTCTTGTCTAAGGTGACCGCTCCTCAACCAGCTGCTACCAATGGGGATCTT
 GCATCAAGAAGTAACATTGCCTTCATGGGGACTCTGGTCAGATGTGGCAAAGCAAAGGGTATTGTCATTG
 GAACAGGAGAGAATTCTGAATTTGGAGAGGCTTTAAGATGATGCAGGCAGAAGAAGCACAAAAACGCC
 TCTGCAGAAGAGCATGGACCTCTTGGGCAAGCAGCTGTCTTTTACTCCTTTGGTATAATAGGTATCATC
 ATGTTGGTTGGCTGGTTACTAGGGAAAGACATTCTGGAATGTTCACTATTAGTGAAGTTTGGCTGTAG
 CTGCAATTCCTGAAGGTCGCTATTGTGGTCACAGTGACACTAGCCCTTGGTGTATGAGAATGGTGAA
 GAAAAGGGCTATTGTAAGAAAATGGCTATTGTTGAAACGCTGGGCTGCTGTAATGTGATTTGTTTCAGAT
 AAACTGGAACCTGACGAAGAATGAGATGACTGTTACTCACATCCTCACTTCAGACGGCCTGCATGCTG
 AGGTTACTGGAGTTGGCTACAATCAGTTTGGTGAAGTATTGTTGATGGTGTGTTGTTTCATGGATTCTA
 TAACCCAGCTGTTAGCAGAATTGTTGAGCGGGCTGTGTGTGCAACGATGCTGTCAATTAGGAACAACACT
 CTGATGGGAAAGCCAACCTGAAGGAGCCTTAATCGCTCTCGCGATGAAGATGGGTCTTGATGGACTGCAAC
 AAGACTATATCAGAAAAGCTGAATACCCTTTTAGTTCTGAGCAGAAAATGGATGGCTGTTAAGTGTGTGCA
 CCGAACACAGCAGGACAGACCAGAGATTTGTTTTATGAAGGGTCTTATGAGCAGGTGATTAAGTATTGT
 ACTACGTACAACAGCAAAGGGCAGACTTTGGCACTTACCAGCAGCAGAGAGATTTGTACCAACAAGAGA
 AGGCCAGATGGGCTCGGCAGGACTCCGAGTCTTGCCTGGCGTCTGGTCCGGACCTGGGGCAGCTGAC
 CTTCTTGGCCTGGTAGGAATCATTGACCCTCCGAGAAGTGGTGTGAAAGAAGCCGTCAACACTCATT
 GCCTCAGGAGTCTCCATCAAAATGATCACAGGAGACTCTCAGGAGACTGCAATTGCAATCGCTAGTCGTC
 TGGGATGTATTCTAAAACCTCACAGTCTGTGTCTGGAGAAGAAGTAGATACAATGGAAGTCCAGCACCT
 TTCACAGATAGTGCCAAAGGTTGCAATTTTACAGAGCAAGCCCAAGACACAAGATGAAAATTATTAAG
 TCTCTACAAAAGAACGGGTCAAGTTGTAGCCATGACAGGAGATGGGGTAAATGATGCAGTGGCTCTGAAGG
 CTGCAGATATTGGAGTTGCAATGGGCCAGACTGGCACAGATGTTTGCAAAGAGGCTGCGGACATGATCTT
 GGTGGATGATGATTTCCAAACTATAATGTCTGCAATAGAAGAGGGTAAAGGCATTTATAAACATTTAA
 AATTTTGTAGATTTCAACTGAGCAGGATATAGCAGCATTAACTTTAATCTCATTGGCTACGTTAATGA
 ACTTTCTAACCCCTCAATGCAATGCAGATTTGTGGATCAATATTATAATGGATGGACCCCAAGCTCA
 GAGCCTTGGAGTAGAGCCAGTGGATAAAGATGTCATTGAAAACCCCTCGGAAGTGAAGGACAGCATT
 TTGACAAAAAAGTATCCTTAAAATACTTGTTCATCAATAATCATTGTCTGTGGGACTTTGTTTGTCT
 TCTGGCGAGAGCTTCGAGACAATGTGATAACACCCCGAGACACAACAATGACTTTCACTTCTGCTGTT
 TTTTATATGTTCAATGCACTGAGTTCCAGATCTCAGACTAAGTCTGTGTTTGGATTGGACTCTGCAGT
 AATAAGATGTTCTGCTATGCGGTTCTTGGATCCATCATGGGGCAGTTGCTTGTACTACTCCCGCCTC
 TGCAGAAGGTTTTTCAGACCGAGAGCCTCAGTATTCTGGATCTGTTGTTTCTTTGGGTCTCACTTCATC
 AGTGTGCATTGTCTGAAATTATAAGAAGGTTGAAAGGAGCAGGGAAAAGACTCAGAAGAACGCTACT
 TCAACACCATCGTCTTTTCTGAAGT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_131907
Insert Size:	2760 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:	<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_131907.2 , NP_571982.2
RefSeq Size:	4946 bp
RefSeq ORF:	2760 bp
Locus ID:	170699
Cytogenetics:	8q32
Gene Summary:	may act as a calcium ion transporting ATPase [RGD, Feb 2006]