

Product datasheet for **RN200768**

Atp2c2 (NM_134462) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp2c2 (NM_134462) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Atp2c2
Synonyms:	Spca2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN200768 representing NM_134462

Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGGGAGACGCTTCAAGTTTCTGCAGAACTGGCCTTCTTGGGCCAGAACCCCGGTACAAGGCGCTAG
AAAGGGACGAGGTGGACACCCTGATTGATGAACAGTACGAGCTGAAAGCTATCGAAAGAGAAAAGGCAGT
CGCTGCCCTGCCACCCAGGAAGCGTGCAATGCAGCAAGGAGGAGTTGGCCAGAACCTTCCACGTGGAC
CTGGACAGCGGCTGTGAGAATTTGCAGTAGCCAGCGTAGGCTGGTCCATGGCTGGAACGAGTTTGTCA
CTGATAACACTGAGCCTGTGTGAAGAAATACCTGGATCAGTTTCAGGAACCCCTGATCTGCTGCTGCT
GGGCTCATCCGTGGTGAAGCTCCTACCAAGAGTATGAAGACGCCATCAGCATTGCCCTGGCCGCTCTC
ATCGTGGTGAAGTTGGCTTTCATCCAGGAGTACAGGTGGGAGAGTCTCTGGAAGAGCTACCAAGCTAG
TACCTCCAGAGTCAACTGCCTGAGAGACGGCAAGCTCCGGCACATGCTCGCCCGAGACCTGGTTCCAGG
AGACGTTGTGCTTGTCCATGGGAGACCGGATCCCTGCCGATATCCGACTCACTGAGGTACAGATCTC
CTGGTGGATGAATCCAGCTTACAGGAGAAGTGGAGCCATGCAGCAAAACAGACAGCCCATTTGGCGGGCG
GCGGGGATCTCAGCACCTGAGCAACGTGGTCTTCATGGGGACGCTGGTGCAGTCGCGGAAGGGTACGGG
GGTCGTGATCGGAACCGGGGAGCAGTCTCAGTTTGGAGAAGTTTTAAGATGATGCGGGCAGAAAGAGACA
CCTAAACTCCATTACAGAAGAGCATGGACAAGCTAGGCAAGCAACTGACCGTCTTTTCTTTGGCATCA
TCGGTCTCCTGATGCTGGTTGGCTGGGTGCAGGGGAAACCCCTTCTCAGCATGTTCACTATCGGGGTGAG
TCTAGCTGTGGCGGCATTCCAGAGGGGCTGCCCATCGTTGTGATGGTGACGCTGGTCTGGGGGTGCTG
CGGATGGCTAAGAAGCGGGTCACTGTGAAGAAGCTGCCATTGTAGAGACTCTCGGTTGCTGTAACTGCA
TCTGCTGACAAGACTGGCACTCTGACAGCCAACGAAATGACAGCAACCCAGCTTGTACGTCGGATGG
CTTCCATGCCGAGGTGAGTGGCATTGGATACAGTGGCGAAGGGACTGTGTGCTTCTGCCCTCCAAGGAA
GTAATCAAAGAATTACAGCAATGTGTGAGTGGGGAAGCTGGTGGAGGCAGGCTGCGTCGCCAACAACGCTG
TCGTGAGGAAGACGCCGTAATGGGGCAGCCACAGAAGGGGCTTGGTGGTGTGGCCATGAAGATGAA
CTTAGGCAGCATCAAAGATTCTACATACGGAAGAAGGAAATTCCTTCAGCTCGGAGCAGAAAGTGATG
GCAGTGAGGTGCAGCCTGAAGAATGAGGATGAGGAAGATGTTTACTTCATGAAGGAGCCTTTGAGGAAG
TGATCCATCACTGCAGCAGTATAACAATGGGGGCATCCCACTGCCTCTGACACCCAGCAGAAAGTCTTA
TTGCCAGCAGGAAGAGAAGAAGATGGGGTGCCTCGGCTTGGGTGCTGGCCCTGGCGTCTGGACCTGAG
CTGGGAAGGCTGACATTCTCGGTCTGGTGGGCATCATCGACCCCAAGGGCTGGCGTGAAGGAAGCGG
TCCAGGCCCTCTCGGAGTCTGATGTGTGAGTTAAGATGGTGACAGGGGATGCTCTGGAGACTGCCTTGGC
CATAGGAAGAACCATCGGCTGTGCGACGAGAAGCTGAAAGCTATGTCCGGGGAGGAGGTGGAGGGCATG
GAGCAGGACGCACTGGCAGCCCGAGTGAGGCAGGTGTCTGATTCTTCAGGACCAGCCCAAGCACAAGG
TTAAATCATAAAGGCATTGCAGGAGTCGGGGGCAATTGTAGCCATGACGGGGGATGGAGTGAATGACTC
AGTTGCCCTGAAGTCTGCGGACATCGGGATTGCCATGGGACAGACAGGAACAGACGTGAGCAAGAGGCC
GCTGACATGATTCTGGTGGACGACGACTTCTCGGCCATTATGAGTGCAGTGGAGGAAGGTAAGGGCATCT
TCTACAACATCAAGAACCTTGTCCGCTTCCAGCTGAGCAGGAGCATCGCAGCCCTGAGCCTCATCACCT
GTCCACCGTGTGAACCTGCCCAACCCCTCAATGCCATGCAGATCCTGTGGGTGAACATCATCATGGAC
GGACCACCGGCCAGAGCCTAGGGGTGGAACCTGTGGACAGAGATGCCCTGAAGAGGCCTCTCGGAGCG
TCAAGGACACGATCCTGAACAGAGCCCTGATCCTGAAGATCCTCATGTGCGCTGTGTTATCTTAGGGG
GACCCTGTTTCTTCTGGAGAGAGATCCAGAGAACCGTACCAGCACCCACGACACCACCATTGGCC
TTCACCTGCTTCGTGTTTTTCGACCTCTCAATGCTCTAAGCTGCCGCTCTCAGACCAAGCTGATATTTG
AGATTGGCTTTTTCCGGAACCGCATGTTCTGTACTCGATCCTTGGGTCCCTCTCGGGCAGCTGGCCGT
GATCTATGCCCGCCCTTGCAAGGTCTTCCAGACCGAAACCTGAGCGCGCTCGACCTGCTGCTGCTG
ACTGGCCTGGCCTCGTCCGTCTCATCTTGTCCGAGCTGCTCAAGCTATGTGAAAAGTTCTGCTCCAGAG
CCAAGGCTGATCAGATGCTCCCGAGGCGGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:	NM_134462
Insert Size:	2835 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:	<u>NM_134462.1</u> , <u>NP_604457.1</u>
RefSeq Size:	3116 bp
RefSeq ORF:	2835 bp
Locus ID:	171496
UniProt ID:	<u>Q8R4C1</u>
Cytogenetics:	19q12
Gene Summary:	may act as a calcium-transporting ATPase [RGD, Feb 2006]