

Product datasheet for **SC337479**

SPCA2 (ATP2C2) (NM_001291454) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SPCA2 (ATP2C2) (NM_001291454) Human 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: >NCBI ORF sequence for NM_001291454, the custom clone sequence may differ by one or more nucleotides

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ATGAGGACGCCGTCAGCATCGCCACGGCAGTGCTTGTCTGGTCACTGTCGCCTTCATCCAGCCTAAGAG
AAGGAAAACTCCAGCACCTGCTTGTCTCGAGAACTGGTTCCTGGTATGTCGTATCTCTCTCGATCGGAGA
CCGGATCCCTGCAGACATCCGACTCACTGAGGTCACGGACCTCTGGTGGATGAATCCAGTTTCACCGGG
GAAGCCGAGCCATGTAGTAAAACAGACAGCCCCTTGACAGGCGGTGGGGACCTCACCACCCTCAGCAACA
TCGTCTTCATGGGGACCTGGTGCAGTATGGGAGGGGCCAGGGGTCTGTGATTGGAACAGGGGAAAGCTC
TCAGTTCGGAGAAGTGTAAAGATGATGCAGGCTGAAGAGACACCTAAAACCTCTTTGCAGAAAAGCATG
GACAGGCTAGGAAAGCAACTGACACTCTTCTCCTTTGGCATAATCGGTCTCATCATGCTCATTGGCTGGT
CGCAAGGGAAACAACCTCTGAGTATGTTACAGTACGGGTGAGCCTGGCTGTGGCGGCCATTCCAGAGGG
TCTGCCATCGTCGTATGGTACGCTGGTCTGGGAGTCTGCGGATGGCCAAGAAGCGGGTATCGTG
AAGAAGTTACCCATCGTGGAGACTTTAGGTTGCTGCAGCGTCTCTGTTCTGACAAGACGGGGACTCTGA
CTGCCAATGAAATGACAGTGACCAGCTTGTAACTCAGATGGGCTTCGTGCCGAGTCCAGCGAGTTGG
GTATGACGGTCAAGGGACTGTGTCTTCTACCATCCAAGGAAGTCATTAAAGAAATTTCCAATGTCTCA
GTGGGAAAGTTAGTGGAGGCGGGCTGTGTTGCCAACAATGCGGTATCAGAAAAGAACGCCGTGATGGGGC
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ACGGGGGCATCCCCTGCCGTGACGCCACAGAGGTCATTCTGCCTGCAGGAAGAGAAGAGGATGGG
GTCGCTCGGTTTGCGGTGTGGCCCTGGCTTCTGGGCCGAGCTGGGGCGGCTGACGTTTCTCGGTCTT
GTGGGCATCATTGACCCCCGAGAGTTGGCGTGAAGGAAGCAGTCCAGGTTCTCTCCGAGTCTGGTGTGT
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GGGAAGGTGTCCGTGTTCTCAGGACCAGCCAAAGCACAAGCTCAAAATCATCAAGGCTCTGCAGGAGT
CAGGGGCGATCGTGGCCATGACTGGGATGGGGTGAACGACGCAGTGGCCCTGAAGTCTGCAGACATTGG
GATCGCCATGGGGCAGACAGGGACGGACGTGAGCAAGAGGCCCAACATGATCCTGGTGGATGATGAC
TTCTCAGCCATCATGAATGCAGTGGAGGAAGGCAAGGGTATTTTTTACAACATCAAAAATTTGTCCGAT
TCCAGTGCAGCAGCATCTCCGCCCTGAGTCTCATCACTCTGTCCACCGTGTCAACCTGCCAGCCC
CCTCAACGCCATGCAGATCCTATGGATCAACATCATCATGGATGGCCACCGGCGCAGAGCTTGGGGTA
GAGCCCGTTGACAAAGACGCCTTCAGGCAGCCACCACGGAGTGTGCGGGACACCATCCTCAGCAGAGCCC
TCATCCTGAAGATCCTCATGTCCGCGGCCATCATCATCAGCGGGACCCTTTTATCTTCTGGAAGGAGAT
GCCTGAAGACAGAGCAAGCACTCCCGCACACGACGATGACGTTCACTTGTGTTTTGTGTTTTTCGATCTC
TTCAACGCCTTGACCTGCCGCTCTCAGACCAAGCTGATATTTGAGATCGGCTTTCTCAGGAACCACATGT
TCCTCTACTCCGTCTGGGGTCCATCCTGGGCAGCTGGCGGTCAATTTACATCCCCCGCTGCAGAGGGT
CTTCCAGACGGAGAACCTGGGAGCGCTTGATTTGCTGTTTTAACTGGATTGGCCTCATCCGTCTTCAAT
TTGTGACAGCTCCTCAAACATATGAAAAAATACTGTTGCAGCCCCAAGAGAGTCCAGATGCACCTGAAG
ATGTGTAG
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001291454

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:	<u>NM_001291454.1, NP_001278383.1</u>
RefSeq Size:	2987 bp
RefSeq ORF:	2388 bp
Locus ID:	9914
UniProt ID:	<u>O75185</u>
Cytogenetics:	16q24.1
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of calcium.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, contains multiple differences in the coding region, and initiates translation at an alternate downstream start codon, compared to variant 1. The resulting isoform (3) has a distinct N-terminus and is shorter than isoform 1.</p>