

## Product datasheet for **SC300201**

### ATP2C1 (NM\_001001487) Human Untagged Clone

#### Product data:

|               |  |
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| Product Type: | Expression Plasmids                        |
| Product Name: | ATP2C1 (NM_001001487) Human Untagged Clone |
| Tag:          | Tag Free                                   |
| Symbol:       | ATP2C1                                     |
| Synonyms:     | ATP2C1A; BCPM; HHD; hSPCA1; PMR1; SPCA1    |
| Vector:       | <u>pCMV6 series</u>                        |



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001001487, the custom clone sequence may differ by one or more nucleotides

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ATGAAGGTTGCACGTTTTCAAAAAATACCTAATGGTGAAAATGAGACAATGATTCCTGTA
TTGACATCAAAAAAGCAAGTGAATTACCAGTCAGTGAAGTTGCAAGCATTCTCCAAGCT
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AATGAGTTTGATATTAGTGAAGATGAGCCACTGTGGAAGAAGTATATTTCTCAGTTTAAA
AATCCCCTTATTATGCTGCTTCTGGCTTCTGCAGTCATCAGTGTTTTAAATGCATCAGTTT
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GAATATCGTTTCAGAAAAATCTCTTGAAGAATTGAGTAAACTTGTGCCACCAAGATGCCAT
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ATGGGCCAGACTGGTACAGATGTTTGCAAAGAGGCAGCAGACATGATCCTAGTGGATGAT
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AATTTTCGTTAGATTCCAGCTGAGCAGAGTATAGCAGCATTAACTTTAATCTCATTGGCT
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AGCAGGAAAAGATCCAGAAGCATGTCTGGCTCTGGGAGAGGAGTGGACAGCAGCTGGTT
GAGATACATCCCCATCTGGAGACAGGACTGCCACTGACAGAAGATGTGAGCTGTGTCTAA

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**Restriction Sites:** Please inquire

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|-------------------------------|---|
| <b>ACCN:</b>                  | NM_001001487  |
| <b>OTI Disclaimer:</b>        | 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).  |
| <b>OTI Annotation:</b>        | This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>   |
| <b>RefSeq:</b>                | <u><a href="#">NM_001001487.1</a></u> , <u><a href="#">NP_001001487.1</a></u>   |
| <b>RefSeq Size:</b>           | 3484 bp   |
| <b>RefSeq ORF:</b>            | 2820 bp   |
| <b>Locus ID:</b>              | 27032   |
| <b>UniProt ID:</b>            | <u><a href="#">P98194</a></u>   |
| <b>Cytogenetics:</b>          | 3q22.1  |
| <b>Protein Families:</b>      | Druggable Genome, Transmembrane   |
| <b>Gene Summary:</b>          | <p>The protein encoded by this gene belongs to the family of P-type cation transport ATPases. This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of calcium ions. Defects in this gene cause Hailey-Hailey disease, an autosomal dominant disorder. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Aug 2011]</p> <p>Transcript Variant: This variant (2) has an alternate 5' exon, as compared to variant 6. The resulting isoform (1b) has a shorter and distinct N-terminus, as compared to isoform 2a.</p> |