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Product datasheet for SC329491

ATP2C1 (NM_001199182) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ATP2C1 (NM_001199182) Human Untagged Clone
Tag:	Tag Free
Symbol:	ATP2C1
Synonyms:	ATP2C1A; BCPM; HHD; hSPCA1; PMR1; SPCA1
Vector:	pCMV6-Entry (PS100001)

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Fully Sequenced ORF:

>SC329491 representing NM_001199182.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGGATAGTCTGTTGCCTCCATCTAGATTCTCTTATTTCAAAAAATATCCTCTCCATGCAATTAGGAGA
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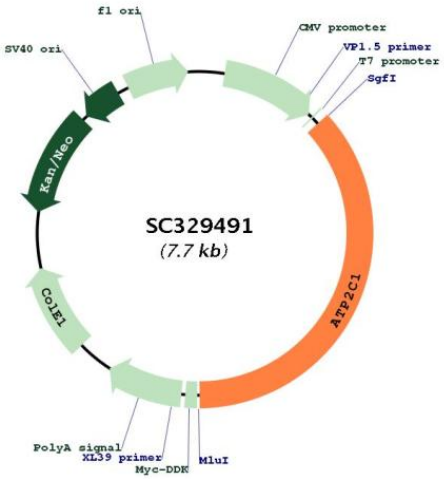
GTCTAA

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN:	NM_001199182
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:	NM_001199182.1
RefSeq Size:	3615 bp
RefSeq ORF:	2835 bp
Locus ID:	27032
UniProt ID:	P98194
Cytogenetics:	3q22.1
Protein Families:	Druggable Genome, Transmembrane
MW:	103.5 kDa

Gene Summary: 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]
Transcript Variant: This variant (8) lacks an in-frame exon in the 5' CDS and has an alternate splice site in the last splice junction, as compared to variant 6. The resulting isoform (2c) lacks a segment in the N-terminal region and has an additional segment in the C-terminal region, as compared to isoform 2a.