

Product datasheet for **RC239841**

SPCA2 (ATP2C2) (NM_001286527) Human Tagged ORF Clone

Product data:

| | |
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| Product Type: | Expression Plasmids |
| Product Name: | SPCA2 (ATP2C2) (NM_001286527) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | ATP2C2 |
| Synonyms: | SPCA2 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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ORF Nucleotide Sequence:

>RC239841 representing NM_001286527
 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC239841 representing NM_001286527
 Red=Cloning site Green=Tags(s)

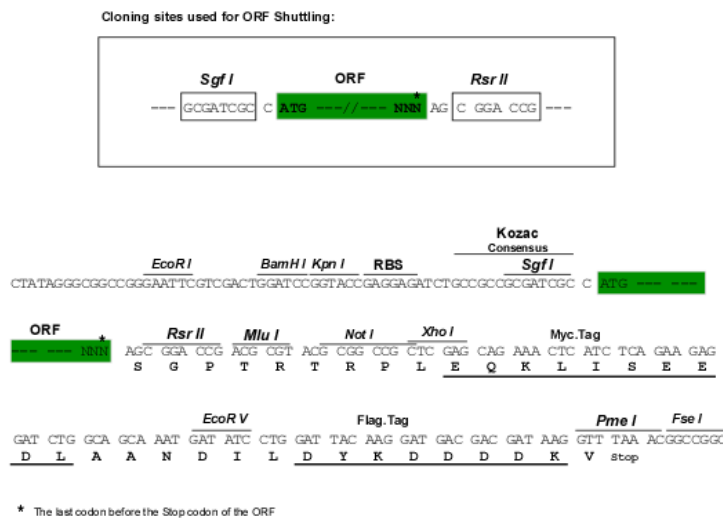
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 SAAIIISGTLFI FWKEMPEDRASTPRTTMTFTCFVFDL FNALTCRSQTKLIFEIGFLRNHMFLYSVLG
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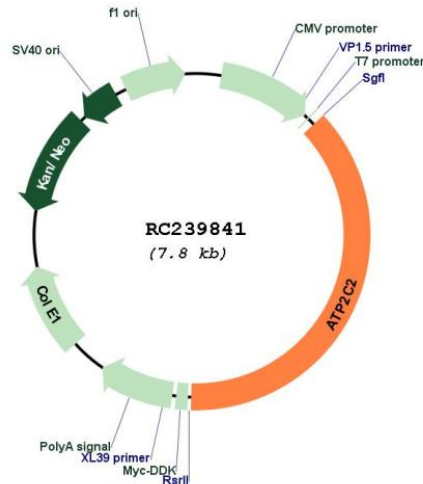
SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-RsrII

Cloning Scheme:



Plasmid Map:


ACCN: NM_001286527

ORF Size: 2925 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001286527.2](#), [NP_001273456.2](#)

RefSeq Size: 3494 bp

RefSeq ORF: 2928 bp

Locus ID: 9914

UniProt ID: [O75185](#)

| | |
|--------------------------|---|
| Cytogenetics: | 16q24.1 |
| Protein Families: | Druggable Genome, Transmembrane |
| MW: | 106.7 kDa |
| Gene Summary: | This magnesium-dependent enzyme catalyzes the hydrolysis of ATP coupled with the transport of calcium.[UniProtKB/Swiss-Prot Function] |