

## Product datasheet for **SC330960**

### **COPZ1 (NM\_001271736) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** COPZ1 (NM\_001271736) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** COPZ1  
**Synonyms:** CGI-120; COPZ; HSPC181; zeta-COP; zeta1-COP  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330960 representing NM\_001271736.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

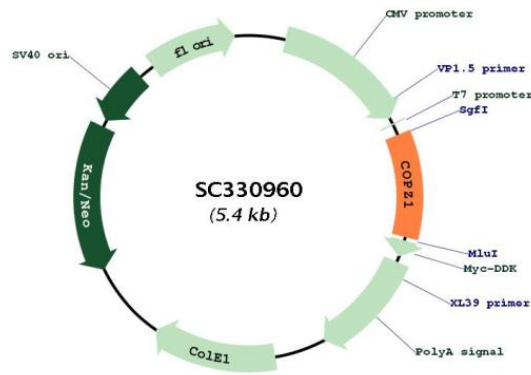
```
ATGGGAGGCTTCAGGACTGAAGGTATGTTCTGATCTCTTCAGGAACCTCCCTGTATACTGTCAAAGCC
ATCCTGATTCTGGACAATGATGGAGATCGACTTTTTGCCAAGTACTATGACGACACCTACCCAGTGTC
AAGGAGCAAAGGCCTTTGAGAAGAACATTTTCAACAAGACCCATCGGACTGACAGTGAAATTGCCCTC
TTGGAAGGCTGACAGTGGTATACAAAAGCAGTATAGATCTCTATTTCTATGTGATTGGCAGCTCCTAT
GAAAATGAGCTGATGCTTATGGCTGTTCTGAACTGTCTCTTCGACTCATTGAGCCAGATGCTGAGGAAA
AATGTAGAAAAGCGAGCACTGCTGGAGAACATGGAGGGGCTGTTCTTGGCTGTGGATGAAATTGTAGAT
GGAGGGGTGATCCTAGAGAGTGATCCCCAGCAGGTGGTACACCGGTGGCATTAAAGGGTGAAGATGTC
CCCCTTACGGAGCAGACCGTGTCTCAGGTGCTGCAGTCAGCCAAAGAACAGATCAAGTGGTCACTCCTT
CGGTGA
```

**Restriction Sites:** Sgfl-Mlul



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Plasmid Map:



ACCN: NM\_001271736

Insert Size: 558 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\\_001271736.1](#)

**RefSeq Size:** 2038 bp

**RefSeq ORF:** 558 bp

**Locus ID:** 22818

**UniProt ID:** [P61923](#)

**Cytogenetics:** 12q13.13

**MW:** 21.1 kDa

**Gene Summary:** This gene encodes a subunit of the cytoplasmic coatamer protein complex, which is involved in autophagy and intracellular protein trafficking. The coatamer protein complex is comprised of seven subunits and functions as the coat protein of coat protein complex (COP)I-vesicles. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2012]

Transcript Variant: This variant (4) uses an alternate in-frame splice site in the 5' coding region and uses a downstream start codon compared to variant 1. The encoded isoform (4) has a distinct and longer N-terminus, compared to isoform 1.