

## Product datasheet for **SC321396**

### **COPZ1 (NM\_016057) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	COPZ1 (NM_016057) Human Untagged Clone
Tag:	Tag Free
Symbol:	COPZ1
Synonyms:	CGI-120; COPZ; HSPC181; zeta-COP; zeta1-COP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_016057.1  
 CCAGCTGCCGGGCAAGATGGAGGCGCTGATTTTGGAACCTTCCCTGTATACTGTCAAAGC  
 CATCCTGATTCTGGACAATGATGGAGATCGACTTTTGGCCAAGTACTATGACGACACCTA  
 CCCCAGTGTCAAGGAGCAAAAGGCCCTTTGAGAAGAACATTTTCAACAAGACCCATCGGAC  
 TGACAGTGAATTGCCCTCTTGGAAAGCCTGACAGTGGTATACAAAAGCAGTATAGATCT  
 CTATTTCTATGTGATTGGCAGCTCCTATGAAAAAGAGCTGATGCTTATGGCTGTTCTGAA  
 CTGTCTCTTCGACTCATTGAGCCAGATGCTGAGGAAAAATGTAGAAAAGCAGCAGCTGCT  
 GGAGAACATGGAGGGGCTGTTCTTGGCTGTGGATGAAATTGTAGATGGAGGGGTGATCCT  
 AGAGAGTGATCCCCAGCAGGTGGTACACCGGGTGGCATTAAAGGGTGAAGATGTCCCCCT  
 TACGGAGCAGACCGTGTCTCAGGTGCTGCAGTCAGCCAAAGAAGCAGATCAAGTGGTCACT  
 CCTTCGGTGAAGACCTCACTGTTCTGGCTCTTCATCCTCTTCAAAAAATTTGCATGTCT  
 GCTGTGAATTTTCATCTAGTTCCCAATCGATGCTCTCAGGGTCATCTCGGGGATCACAG  
 GGATCCTAAATCTCCATTCTGTTTGGTTGCCCCCTCAACCTCCCCTACACCTTCTCT  
 ATCTTTTTTCATTCTTCTGCACTTCTGGGAGTAAAGCTCCAGCATATTTAGATAATAG  
 GGCAGGGGAAGCACCCCTTTTCTTCTAGACTGGATTATGCTCACATGCTCCCTTGCCT  
 GACATTTTTGTAAATCTGTGCCCTTTGCTGTAGCTACACTTCAGATTAAGTAGAGAA  
 AGAATGTGCTGAGTGTTCCTCCCTTGCCTCTACCTGGCCCTCATCCCAACAGCCAG  
 CAAGGGGAGAGAGAAAGAGAATCTTTTCTATAGAACGAGTGGGGGCGGGATGGGTAGG  
 GATTTATCCAATCTAAGCCCTAACCCCACTTAGTGACCTCAGTGTTCCTTCCATTCCCT  
 CTTACTGCCCTGTCTCTGCCTTGAAGAGGCTTTGGGAATAGTTCATAGGGAAGGGACA  
 ACATGGAAGAAACAGCGATTTAAATTGTATTGAACAGGGCATATAAAATGCATTCTGTAC  
 CCTGATCTGGCATATAGCTTCAAACTGCAGTGGCAGTGTCCATCTCTTAGTTAGCTAC  
 CTTAAGTGTCCACCTTACTACCTGTGGATCGTTGCCTGGTTTGTCTTCTGTGTCT  
 GGAGCAAAGCCAGTTCCTAAAACATAAACTCCATTCTAGTCTTGGGAAGAAAAGTTCTA  
 CTCAGAACTGGGGAAGGAGTGGAACTTATGACTTGGGCCTCTAGGCTGTCTGTCCCT  
 CAGCTCCCCGACATGCATTTACTCTCTGCCGTGGGTCTGCAGTCGCTGCAACCTACCCTC  
 TCTCTGCCTCAGCCTTACACCCAAGCAGTAGGTCTGTGCTCTCCCTGTCTCTAGGTCGCT  
 GAGAGAGGTGCTTTTCTCATAAAACCTTTGGGGTTGGATTTCACAGGAAGATGGAGA  
 ATGGAATACTCACTCTTGGGTCTAATCTTTCCCTTGACCCAGAAGTCTCCCCACAAA  
 AATGCCTTAAAAACCTTCTGAGACTTAAGCATTCTGCCCCACTTAACTGCCAGTT  
 CTCCAGCACTGAGGTGGGCGAGATAACGGGGCATATTTAAGGGGGCATCTTTGTGTA  
 GATGCATGGAGTCAGGAGAAAACCACTTCATAAACTGCTCTGTGCAAAGAGGAATAAA  
 CATTTTTTCCAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_016057

**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).

**OTI Annotation:** 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.

**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\\_016057.1](#), [NP\\_057141.1](#)

**RefSeq Size:** 1900 bp

**RefSeq ORF:** 534 bp

**Locus ID:** 22818

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

**Cytogenetics:** 12q13.13

**Domains:** Clat\_adaptor\_s

**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 (1) encodes isoform 1.