

## Product datasheet for **RG231907**

### **COPZ1 (NM\_001271735) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** COPZ1 (NM\_001271735) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** COPZ1  
**Synonyms:** CGI-120; COPZ; HSPC181; zeta-COP; zeta1-COP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG231907 representing NM\_001271735  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGGCGCTGATTTTGGAACTTCCCTGTATACTGTCAAAGCCATCCTGATTCTGGACAATGATGGAG  
ATCGACTTTTTGCCAAGTACTATGACGACACCTACCCAGTGTCAAGGAGCAAAGGCCTTTGAGAAGAA  
CATTTTCAACAAGACCCATCGGACTGACAGTCAAATTGCCCTTTGGAAGGCCTGACAGTGGTATACAAA  
AGCAGTATAGATCTCTATTTCTATGTGATTGGCAGCTCCTATGAAAATGAGCTGATGCTTATGGCTGTC  
TGAAGTGTCTTCGACTCATTGAGCCAGATGCTGAGGAAAAATGTAGAAAAGCGAGCACTGCTGGAGAA  
CATGGAGGGGCTGTTCTTGGCTGTGGATGAAATTGTAGATGGAGGGGTGATCCTAGAGAGTGATCCCCAG  
CAGGTGGTACACCGGGTCTGCAGTCAGCCAAAGAACAGATCAAGTGGTCACTCCTTCGG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG231907 representing NM\_001271735  
**Red**=Cloning site **Green**=Tags(s)

MEALILEPSLYTVKAILILDNDGDRLFAYYYDDTYPYVKEQKAFEKNIFNKTHRTDSEIALLEGLTVVYK  
SSIDLYFYVIGSSYENELMLMAVLNCLFDSLSQLRKNVEKRALLENMEGLFLAVDEIVDGGVILESDPQ  
QVVHRVLQSAKEQIKWSLLR

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI

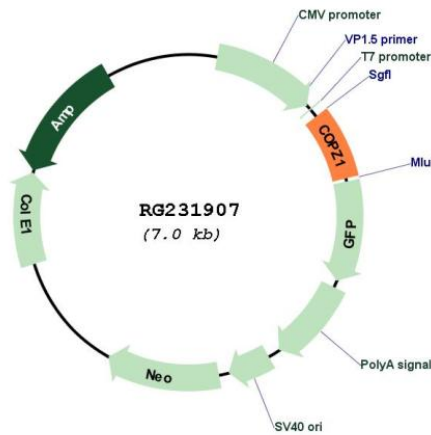


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001271735

ORF Size: 480 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.

|                               |   |
|-------------------------------|---|
| <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>NM_001271735.2</u>   |
| <b>RefSeq Size:</b>           | 1903 bp   |
| <b>RefSeq ORF:</b>            | 483 bp  |
| <b>Locus ID:</b>              | 22818   |
| <b>UniProt ID:</b>            | <u>P61923</u>   |
| <b>Cytogenetics:</b>          | 12q13.13  |
| <b>Gene Summary:</b>          | 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]  |