

Product datasheet for **RG204853**

COPZ2 (NM_016429) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Tag: TurboGFP
Symbol: COPZ2
Synonyms: zeta2-COP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG204853 representing NM_016429
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGCAGCGGCCGAGGCCTGGCCACGTCGCCACCCGGGGAGGGGGCCGCGGCCGCCAGGCCGGGGGCC
CGGCGCCGCTGCTCGAGCCGGGAGCCCTCGGGGCTGCGGTTGCAGGAACCTTCCCTCTACACCATCAA
GGCTGTTTTATCTAGATAATGACGGGCGCCGGCTGCTGGCAAGTATTATGATGACACATTCCTCC
ATGAAGGAGCAGATGGTTTTGAGAAAAATGTCTTCAACAAGACCGGACTGAGAGTGAGATTGCAT
TTTTTGGGGGTATGACCATCGTCTACAAGAACAGCATTGACCTTTCCTATACGTGGTGGGCTCATCCTA
CGAGAATGAGCTGATGCTCATGTCTGTTCTCACCTGCCTGTTGAGTCTCTGAACCACATGTTAAGGAAG
AACGTGGAGAAGCGCTGGTGTCTGGAGAACATGGACGGAGCCTTCTTGGTCTGGACGAGATTGTGGATG
GCGGTGTATTCTGGAGAGTGACCCCGAGCAAGTGATCCAGAAGGTGAATTTAGGGCAGATGATGGCGG
CTTGACTGAACAGAGTGTGCCCCAGGTTCTTCAGTCTGCCAAGGAACAAATTAATGGTCGTTATTGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204853 representing NM_016429
Red=Cloning site Green=Tags(s)

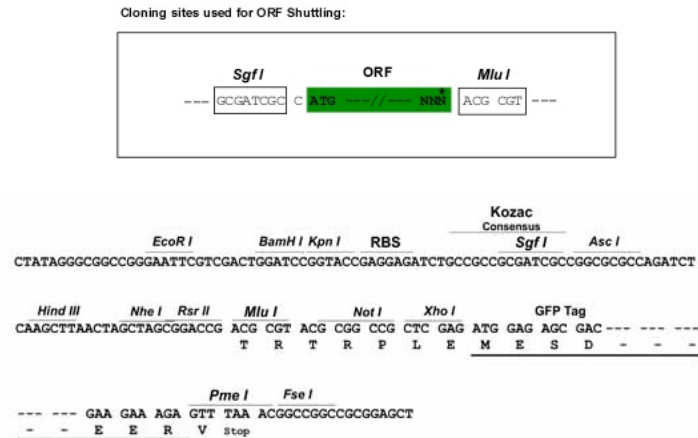
MQRPEAWPRPHPGEGAAAAQAGGPAPPARAGEPSGLRLQEPSLYTIKAVFILDNDGRRLLAKYYDDTFPS
MKEQMVFEKNVFNKTSRTESEIAFFGGMTIVYKNSIDFLYVVGSSYENELMLMSVLTCLESLNHLRLK
NVEKRWLENMDGAFLVLDEIVDGGVILESDPQQVIQKVNFRADDGGLTEQSVAVLQSAKEQIKWSLLK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_016429

ORF Size: 630 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_016429.4](#)

RefSeq Size: 923 bp

RefSeq ORF: 633 bp

Locus ID: 51226

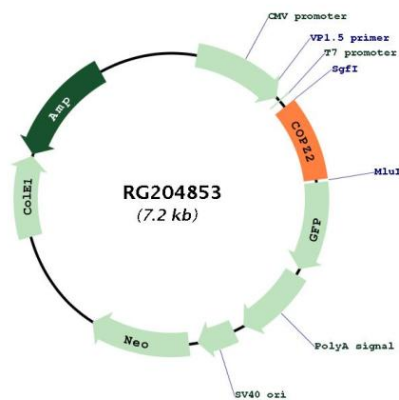
UniProt ID: [Q9P299](#)

Cytogenetics: 17q21.32

Domains: Clat_adaptor_s

Gene Summary: This gene encodes a member of the adaptor complexes small subunit family. The encoded protein is a subunit of the coatamer protein complex, a seven-subunit complex that functions in the formation of COPI-type, non-clathrin-coated vesicles. COPI vesicles function in the retrograde Golgi-to-ER transport of dilysine-tagged proteins. [provided by RefSeq, Feb 2014]

Product images:



Circular map for RG204853