

Product datasheet for **MG201551**

Copz1 (BC110679) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Copz1 (BC110679) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Copz1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201551 representing BC110679
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGCGCTGATTTTGGAGCCCTCCCTGTACACTGTCAAGGCCATCCTGATTCTGGACAATGATGGAG
ACCGACTCTTCGCCAAGTACTATGACGACACCTACCCAGTGTCAAGGAGCAAAGGCCTTTGAGAAGAA
CATTTTCAACAAGACCCATCGGACGGATAGTAAAATCGCTCTGTTGGAAGGATTGACAGTGGTCTATAAA
AGTAGCATCGATCTCTATTTCTATGTGATTGGCAGCTCCTATGAAAATGAGCTGATGCTTATGGCTGTT
TGAAGTGCCTCTTCGATTCCCTGAGCCAGATGCTGAGGAAAAATGTAGAAAAGCGAGCTTTGCTGGAGAA
CATGGAGGGCCTCTTCTGGCTGTGGATGAAATTGTAGATGGAGGGGTGATCCTAGAGAGCGACCCCCAG
CAAGTGGTGCACCGGGTGGCTTTGAGGGGTGAAGACGTCCCCCTTACAGAGCAGACCGTGTCTCAGGTGC
TGACAGTACGCCAAAGAACAGATCAAGTGGTCCCTCCTTCGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201551 representing BC110679
Red=Cloning site Green=Tags(s)

MEALILEPSLYTVKAILILDNDGDRLFAYYYDDTYPVKEQKAFEKNIFNKTHRTDSEIALLEGLTVVYK
SSIDLYFYVIGSSYENELMLMAVLNCLFDSLQMLRKNVEKRALLENMEGLFLAVDEIVDGGVILESDPQ
QVVHRVALRGEDVPLTEQTVSQVLQSAKEQIKWSLLR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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:	<ol style="list-style-type: none">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:	<u>BC110679</u>
RefSeq Size:	2059 bp
RefSeq ORF:	533 bp
Locus ID:	56447
Cytogenetics:	15 58.74 cM
Gene Summary:	The coatomer is a cytosolic protein complex that binds to dilysine motifs and reversibly associates with Golgi non-clathrin-coated vesicles, which further mediate biosynthetic protein transport from the ER, via the Golgi up to the trans Golgi network. Coatomer complex is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins. In mammals, the coatomer can only be recruited by membranes associated to ADP-ribosylation factors (ARFs), which are small GTP-binding proteins; the complex also influences the Golgi structural integrity, as well as the processing, activity, and endocytic recycling of LDL receptors (By similarity).[UniProtKB/Swiss-Prot Function]