

## Product datasheet for MR201552

### Copz1 (NM\_019817) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Copz1 (NM\_019817) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Copz1  
**Synonyms:** 5930435A22Rik; AA407760; D4ErtD360e  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201552 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAGGCGCTGATTTTGGAGCCCTCCCTGTACACTGTCAAGGCCATCCTGATTCTGGACAATGATGGAG  
 ACCGACTCTTCGCAAGTACTATGACGACACCTACCCAGTGTCAAGGAGCAAAGGCCCTTTGAGAAGAA  
 CTTTTCAACAAGACCCATCGGACGGATAGTAAATCGCTCTGTTGGAAGGATTGACAGTGGTCTATAAA  
 AGTAGCATCGATCTCTATTTCTATGTGATTGGCAGCTCCTATGAAAATGAGCTGATGCTTATGGCTGTC  
 TGAAGTGCCTCTTCGATTCCCTGAGCCAGATGCTGAGGAAAAATGTAGAAAAGCGAGCTTTGCTGGAGAA  
 CATGGAGGGCCTCTTCTGGCTGTGGATGAAATTGTAGATGGAGGGGTGATCCTAGAGAGCGACCCCCAG  
 CAAGTGGTGCACCGGGTGGCTTTGAGGGGTGAAGACGTCCCCCTTACAGAGCAGACCGTGTCTCAGGTGC  
 TGCAGTCAGCAAAGAACAGATCAAGTGGTCCCTCCTTCGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201552 protein sequence  
 Red=Cloning site Green=Tags(s)

MEALILEPSLYTVKAILILDNDGDRLFAYYYDDTYPSPVKEQKAFEKNIFNKTHRTDSEIALLEGLTVVYK  
 SSIDLIFYVIGSSYENELMLMAVLNCLFDSLQMLRKNVEKRALLENMEGLFLAVDEIVDGGVILESDPQ  
 QVVHRVALRGEDVPLTEQTVSQVLQSAKEQIKWSLLR

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



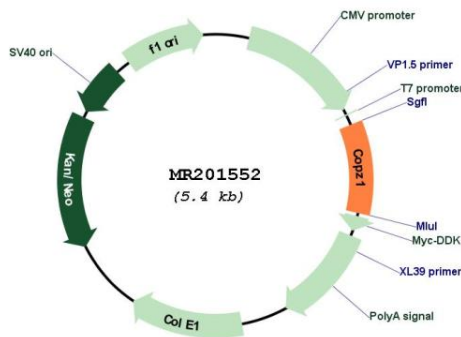


**MW:** 20.2 kDa

**Gene Summary:**

The coatamer 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. Coatamer 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 coatamer 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]

**Product images:**



Circular map for MR201552