

Product datasheet for **MC205815**

Copz2 (NM_019877) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Copz2 (NM_019877) Mouse Untagged Clone
Tag: Tag Free
Symbol: Copz2
Synonyms: 1110012D12Rik; zeta2-COP
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC025122
CGAGCGGAATGCAGCGGCGGAGGCCTGGCCACGTCCGCACCCGGGGGAGGGGGCCTCAGCCGCCAAGC
CGGGGGCGCAGCGCCGCCACCCGAGCCACGGAACAGCGGGAACCTTCTCTACACCATCAAGGCTGTC
TTCATCTTAGATAATGACGGGCGAAGGCTGCTGGCCAAGTATTATGACGACACATTTCCCTCCGTGAAGG
AGCAGATGGTTTTCGAGAAAAATGTCTTCAACAAGACCAGCCGCACCGAAAGTAAAATTGCATTTTTGGG
GGGCATGACTATCGTCTACAAGAGCAGCATTGACATCTTCTGTATGTGGTGGGATCTTCTCCGAGAAT
GAGCTGATGCTCATGTCTGTGCTGCCTGCTTTGACTCTGAGCCACATCTTAAGGAAGAAGTGG
AGAAACGCTGGTTGCTGGAGAACATGGACGGAGCCTTCTTGGTGTGGATGAAACTGTCGATGGAGGTGT
GATTCTGGAGAGCGACCCCAAGTATCCAGAAAGTGAATTTAGGACTGATGACAGTGGCCTAACA
GAACAGAGTGTGGCCAGGTTCTTCAGTCAGCCAAGGAACAGATTAATGGTCGCTATTGAAATGAAGAC
CTTGAATCAAGGCTCCTCCCCAGAGAACTTTGCCAGTCCCCGCGTAAGCCCCAAGATCTCAAGACGC
AAGAGAGACCACTCTGCCTTCTCAGGCCTCTCAGAAGTATCCCTGAGGTCTCCTGCCAGGGATTCTG
AGACGCAAAAGCTTGACCCCAAGTCTCAGGCCTCTCAGCAAGTATCCCTGAGGTCTCCTGCCAGGGATTCTG
ACCAGCAAAAGTTCCTCCCTCGGACCTCTGACATCCTCAGTCTAGGCCTTAATAAACTTACATTTTTTC
CCCCCAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_019877

Insert Size: 618 bp

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).



[View online »](#)

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:	BC025122 , AAH25122
RefSeq Size:	936 bp
RefSeq ORF:	618 bp
Locus ID:	56358
UniProt ID:	Q9JHH9
Cytogenetics:	11 D
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. The zeta subunit may be involved in regulating the coat assembly and, hence, the rate of biosynthetic protein transport due to its association-dissociation properties with the coatomer complex (By similarity).[UniProtKB/Swiss-Prot Function]