

**COPG Blocking Peptide (C-term)**

Synthetic peptide

Catalog # BP19908b

**Specification**

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**COPG Blocking Peptide (C-term) - Product Information**

Primary Accession

[O9Y678](#)

Other Accession

[NP\\_057212.1](#)**COPG Blocking Peptide (C-term) - Additional Information****Gene ID** 22820**Other Names**

Coatomer subunit gamma-1, Gamma-1-coat protein, Gamma-1-COP, COPG1, COPG

**Target/Specificity**

The synthetic peptide sequence is selected from aa 736-750 of HUMAN COPG1

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**COPG Blocking Peptide (C-term) - Protein Information****Name** COPG1**Synonyms** COPG**Function**

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. Required for limiting lipid storage in lipid droplets. Involved in lipid homeostasis by regulating the presence of perilipin family members PLIN2 and PLIN3 at the lipid droplet surface and promoting the association of adipocyte triglyceride lipase (PNPLA2) with the lipid droplet surface to mediate lipolysis (By similarity).

**Cellular Location**

Cytoplasm. Golgi apparatus membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasmic vesicle, COPI-coated vesicle membrane; Peripheral membrane protein; Cytoplasmic side. Note=The coatomer is cytoplasmic or polymerized on the cytoplasmic side of the Golgi, as well as on the vesicles/buds originating from it. Predominantly located in the cis- Golgi apparatus.

**COPG Blocking Peptide (C-term) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**COPG Blocking Peptide (C-term) - Images****COPG Blocking Peptide (C-term) - Background**

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**COPG Blocking Peptide (C-term) - References**

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