

Recombinant Human COPG 293 Cell Lysate

Cat. No. COPG-7360HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for coatomer protein complex, subunit gamma (COPG) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

COPG1 coatomer protein complex, subunit gamma 1 [Homo sapiens (human)]

Official Symbol

COPG

Synonyms

COPG1; coatomer protein complex, subunit gamma 1; COPG; coatomer subunit gamma-1; gamma-COP; gamma-1-COP; gamma-coat protein; gamma-1-coat protein; coat protein gamma-cop; coatomer subunit gamma

Gene ID

22820

mRNA Refseq

NM_016128

Protein Refseq

NP_057212

MIM

615525

UniProt ID

Q9Y678

**Chromosome
Location**

3q21.3

Pathway

COPI Mediated Transport, organism-specific biosystem; Golgi to ER Retrograde Transport, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem

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Function

protein binding; structural molecule activity

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