

Recombinant Human COPG1 protein, GST-tagged

Cat. No. COPG1-6574H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human COPG1 protein(350-699 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	350-699 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 8.0). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 100 mM reduced glutathione (GSH).
AASequence	RDRATFYLVNLEQKQKALNAGYILNGLTVSIPGLERALQQYTLEPSEKPFDLKSVPLA TAPMAEQRTSTPITAVKQPEKVAATRQEIFQEQLAAVPEFRGLGPLFKSSPEPVAL TESETEYVIRCTKHTFTNHMVQFDCTNTLNDQTLNVTVMQMEPTAEYEVLCYVPAR SLPYNQPGTCYTLVALPKEDPTAVACTFSCMMKFTVKDCDPTTGETDDEGYEDEYV LEDLEVTVADHIQKVMKLNFEAAWDEVGDEFEKEETFTLSTIKTLEEAVGNIVKFLGM HPCERSDKVPDNKNHTHTLLLAGVFRGGHDILVRSRLLLLDTVMTMQVTARSLEELPVDI ILASVG
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.

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Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
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Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.
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GENE INFORMATION

Gene Name	COPG1 coatomer protein complex, subunit gamma 1 [Homo sapiens]
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Official Symbol	COPG1
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Synonyms	COPG
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Gene ID	22820
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mRNA Refseq	NM_016128.3
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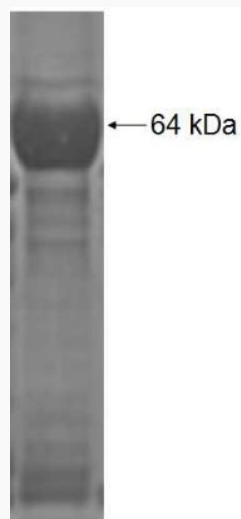
Protein Refseq	NP_057212.1
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UniProt ID	Q9Y678
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SDS-PAGE

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