

Recombinant Human COPB1 protein, GST-tagged

Cat. No. COPB1-301421H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human COPB1 protein(288-544 aa), fused with N-terminal GST tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	288-544 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	LIKESDNNVKLIVLDRLELKEHPAHERVLQDLVMDILRVLSTPDLEVRKKTLQLALDL VSSRNVEELVIVLKKEVIKTNNVSEHEDTDKYRQLLVRTLHSCSVRFPDMAANVIPVL MEFLSDNNEAAAADVLEFVREAIQRFDNLRMLIVEKMLEVFAIKSVKIYRGALWILG EYCSTKEDIQSVMTAIRSLGEIPIVESEIKKEAGELKPEEEITVGPVQKLVTEMGTYA TQSALSSSRPTKKEEDRPPLRG
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
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

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repeat freeze-thaw cycles.

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.

GENE INFORMATION

Gene Name

[COPB1 coatomer protein complex, subunit beta 1 \[Homo sapiens \]](#)

Official Symbol

[COPB1](#)

Synonyms

COPB1; coatomer protein complex, subunit beta 1; coatomer protein complex, subunit beta , COPB; coatomer subunit beta; beta-cop; beta coat protein; beta-coat protein; COPB; FLJ10341; FLJ46444; FLJ57957; DKFZp761K102;

Gene ID

[1315](#)

mRNA Refseq

[NM_001144061](#)

Protein Refseq

[NP_001137533](#)

MIM

[600959](#)

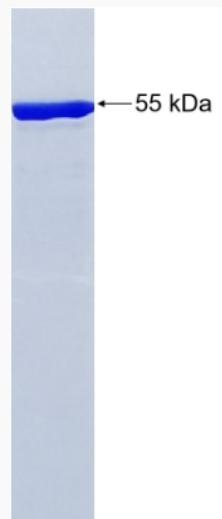
UniProt ID

[P53618](#)

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SDS-PAGE

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