

Recombinant Human COPB1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. COPB1-3803H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	COPB1 MS Standard C13 and N15-labeled recombinant protein (NP_057535) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein subunit of the coatamer complex associated with non-clathrin coated vesicles. The coatamer complex, also known as the coat protein complex 1, forms in the cytoplasm and is recruited to the Golgi by activated guanosine triphosphatases. Once at the Golgi membrane, the coatamer complex may assist in the movement of protein and lipid components back to the endoplasmic reticulum. Alternatively spliced transcript variants have been described.
Molecular Mass	107.1 kDa
AA Sequence	MTAAENVCYTLINVPMDSEPPSEISLKNLEKGDVKSKEALKKKVIIMILNGEKLPGLL MTIIRFVLPLQDHTIKLLLVFWEIVPKTTPDGRLLHEMILVCDAYRKDLQHPNEFIRG STLRFLCKLKEAEELLEPLMPAIRACLEHRHSYVRRNAVLAITYRNFEHLIPDAPELIH DFLVNEKDASCKRNAFMMLIHADQDRALDYLSTCIDQVQTFGDILQLVIVELIYKVCH ANPSEARARFIRCIYNLLQSSSPAVKYEAAGTLVTLSSAPTAIKAAAQCYIDLIKESDNN VKLIVLDRLIELKEHPAHERVLQDLVMDILRVLSTPDLEVRKKTLLQLALDLVSSRNVEE LVIVLKKEVIKTNNVSEHEDTDKYRQLLVRTLHSCSVRFPDMAANVIPVLMEFLSDNN

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EAAAADVLEFVREAIQRFDNLRMLIVEKMLEVFHAIKSVKIYRGALWILGEYCSTKEDI
 QSVMTAIRSLGEIPIVESEIKKEAGELKPEEEITVGPVQKLVTEMGTATQYATQSALSSSR
 PTKKEEDRPPLRGFLLDGDFVAAASLATTLTALRYVALVQEKKKQNSFVAEAMLLM
 ATILHLGKSSLPKKPITDDDVRISLCLKVLSECSPLMNDIFNKECRQSLSHMLSAKLE
 EEKLSQKKESEKRNVTVPDDPISFMQLTAKNEMNCKEDQFQLSLLAAMGNTQRKE
 AADPLASKLNKVTQLTGFSDPVYAEAYVHVNQYDIVLDVLVNNQTSDDLQNLCTLELA
 TLGDLKLVEKPSPLTLAPHDFANIKANVKVASTENGIIFGNIVYDVSGAASDRNCVVLS
 DIHIDIMDYIQPATCTDAEFRQMWAEFEWENKVTVNTNMVDLNDYLQHLKSTNMKC
 LTPEKALSGYCGFMAANLYARSIFGEDALANVSIEKPIHQGPDAAVTGHIRIRAKSQG
 MALSLGDKINLSQKKSITRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name COPB1 COPI coat complex subunit beta 1 [Homo sapiens (human)]

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;

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Gene ID	1315
mRNA Refseq	NM_016451
Protein Refseq	NP_057535
MIM	600959
UniProt ID	P53618
SDS-PAGE	