

Product datasheet for PH306009

beta COP (COPB1) (NM_016451) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	COPB1 MS Standard C13 and N15-labeled recombinant protein (NP_057535)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206009
Predicted MW:	107.1 kDa
Protein Sequence:	>RC206009 protein sequence Red=Cloning site Green=Tags(s)

MTAAENVCYTLINVPMDSEPPSEISLKNLDEKGDVKSKEALKKVIIMILNGEKLPGLLMTIIRFVLPLO
DHTIKKLLLVFWEIVPKTTPDGRLLEHMLVCDAYRKDLQHPNEFIRGSTLRFLCKLKEALLEPLMPAI
RACLEHRHSYVRRNAVLAITYIYRNFEHLIPDAPELIHDFLVNEKDASCKRNAFMMLIHADQDRALDYLS
TCIDQVQTFGDILQLVIVELIYKVCHANPSEARFIRCIYNLLQSSSPAVKYEAAGTLVTLSSAPTAIKA
AAQCYIDLIIKESDNNVCLIVLDRLELKEHPAHERVLQDLVMDILRVLSTPDLEVRKKTQLALDLVSS
RNVEELVIVLKKEVIKTNVSEHEDTDKYRQLLVRTLHSCSVRFPDMAANVIVLMEFLSDNNEAAAADV
LEFVREAIQRFDNLRMLIVEKMLEVFHAIKSVKIYRGALWILGEYCSTKEDIQSVMTIIRSLGEIPIVE
SEIKKEAGELKPEEEITVGPVQKLVTEMGTYATQSALSSSRPTKKEEDRPPLRGFLLDGDFVFAASLATT
LTKIALRYVALVQEKKQNSFVAEAMLLMATILHLGKSSLPKPIITDDDVDRISLCLKVLSECSPLMNDI
FNKECRQSLSHMLSAKLEEEKLSQKKESEKRNVTVPDDPISFMQLTAKNEMNCKEDQFQLSLLAAMGNT
QRKEAADPLASKLNKVTQLTGFSDPVYAEAYVHVNYDVLVDLVDLVNQTSDTLQNLCTLELATLGLKLV
KPSPLTLAPHDFANIKANVKVASTENGIIFGNIVYDVSGAASDRNCVVLSDIHIDIMDYIQPATCTDAEF
RQMWAEFEWENKVTNTNMVDLNDYLQHILKSTNMKCLTPEKALSGYCGFMAANLYARSIFGEDALANVS
IEKPIHQPDAAVTGHIRIRAKSQGMALSLGDKINLSQKKTISI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



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RefSeq: [NP_057535](#)

RefSeq Size: 3490

RefSeq ORF: 2859

Synonyms: BARMACS; COPB

Locus ID: 1315

UniProt ID: [P53618](#)

Cytogenetics: 11p15.2

Summary: This gene encodes a protein subunit of the coatomer complex associated with non-clathrin coated vesicles. The coatomer 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 coatomer complex may assist in the movement of protein and lipid components back to the endoplasmic reticulum. Alternatively spliced transcript variants have been described. [provided by RefSeq, Jan 2009]

Product images:



Coomassie blue staining of purified COPB1 protein (Cat# [TP306009]). The protein was produced from HEK293T cells transfected with COPB1 cDNA clone (Cat# [RC206009]) using MegaTran 2.0 (Cat# [TT210002]).