

Product datasheet for PH323372

COPG2 (NM_012133) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	COPG2 MS Standard C13 and N15-labeled recombinant protein (NP_036265)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223372
Predicted MW:	97.4 kDa
Protein Sequence:	>RC223372 representing NM_012133 Red=Cloning site Green=Tags(s)

MIKKFDKKDEESGSGSNPFQHLEKSAVLQEARIFNETPINPRRCLHILTKILYLLNQGEHFGTTEATEAF
FAMTRLFQSNQTLRRMICYLTIKEMATISEDVIVTSSLTKDMTGKEDVYRGPALRALCRITDGTMLQAI
ERYMKQAIIVDKVSSVSSALVSSLHMMKISYDVVKRWINEAQEAASSDNIMVQYHALGVL YHLRKNDRLA
VSKMLNKFTKSGLSQFAYCMLIRIASRLKETEDGHESPLDFDIESCLRKNHEMVIYEAASAIHLPNC
TARELAPAVSVLQLFCSSPKPALRYAAVRTLNKVMKHPSAVTACNLLENLITDSNRSIATLAITLLK
TGSESSVDRLMKQISSFVSEISDEFKVVVVQAI SALSQKYPKHSVMMTFLSNMLRDDGGFEYKRAIVDC
IISIVEENPESKEAGLAHLCEFIEDCEHTVLATKILHLLGKEGPRTPVPSKYIRFIFNRRVLENEAVRAA
AVSALAKFGAQNESLLPSILVLLQRCMMDDDEVRDRATFYLNVLQQRQMALNATYIFNGLTVSVPGMEK
ALHQYTLEPSEKPFDMKSIPLAMAPVFEQKAEITLVATKPEKLAPSRQDIFQEQLAAIPEFLNIGPLFKS
SEPVQLTEAETEYFVRCIKHMFTHNIVFQFDCTNTLNDQLLEKVTVMPEPSSDSEVLSICIPAPSLPNQP
GICYTLVRLPDDPTAVAGSFCTMKFTVRDCDPNTGVPDEDDGYDDEYVLEDLEVTSDHIQKVLKPNFA
AAWEEVGDTFEKEETFALSSTKTLEEAVNNIITFLGMQPCERSDKVPENKNSHSLYLAGIFRGGYDLLVR
SRLALADGVTMQVTVRSKERTPVVDVILASVG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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.

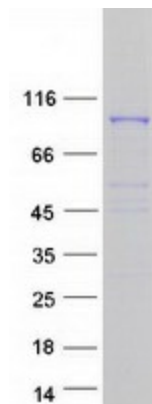


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RefSeq:	NP_036265
RefSeq Size:	3143
RefSeq ORF:	2613
Synonyms:	2-COP; gamma-2-COP
Locus ID:	26958
UniProt ID:	Q9UBF2 , A0A140VK12
Cytogenetics:	7q32.2

Summary: The coatomer is a cytosolic protein complex that binds to dilysine motifs and reversibly associates with Golgi non-clathrin-coated vesicles, which further mediate biosynthetic protein transport from the ER, via the Golgi up to the trans Golgi network. Coatomer complex is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins. In mammals, the coatomer can only be recruited by membranes associated to ADP-ribosylation factors (ARFs), which are small GTP-binding proteins; the complex also influences the Golgi structural integrity, as well as the processing, activity, and endocytic recycling of LDL receptors (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified COPG2 protein (Cat# [TP323372]). The protein was produced from HEK293T cells transfected with COPG2 cDNA clone (Cat# [RC223372]) using MegaTran 2.0 (Cat# [TT210002]).