Datasheet for ABIN7553558

COPG Protein (AA 1-874) (His tag)

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Overview

Quantity:	1 mg
Target:	COPG
Protein Characteristics:	AA 1-874
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This COPG protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant COPG1 Protein expressed in mammalian cells.
Sequence:	MLKKFDKKDE ESGGGSNPFQ HLEKSAVLQE ARVFNETPIN PRKCAHILTK ILYLINQGEH LGTTEATEAF FAMTKLFQSN DPTLRRMCYL TIKEMSCIAE DVIIVTSSLT KDMTGKEDNY RGPAVRALCQ ITDSTMLQAI ERYMKQAIVD KVPSVSSSAL VSSLHLLKCS FDVVKRWVNE AQEAASSDNI MVQYHALGLL YHVRKNDRLA VNKMISKVTR HGLKSPFAYC MMIRVASKQL EEEDGSRDSP LFDFIESCLR NKHEMVVYEA ASAIVNLPGC SAKELAPAVS VLQLFCSSPK AALRYAAVRT LNKVAMKHPS AVTACNLDLE NLVTDSNRSI ATLAITTLLK TGSESSIDRL MKQISSFMSE ISDEFKVVVV QAISALCQKY PRKHAVLMNF LFTMLREEGG FEYKRAIVDC IISIIEENSE SKETGLSHLC EFIEDCEFTV LATRILHLLG QEGPKTTNPS KYIRFIYNRV VLEHEEVRAG AVSALAKFGA QNEEMLPSIL VLLKRCVMDD DNEVRDRATF YLNVLEQKQK ALNAGYILNG LTVSIPGLER ALQQYTLEPS EKPFDLKSVP LATAPMAEQR TESTPITAVK QPEKVAATRQ EIFQEQLAAV PEFRGLGPLF KSSPEPVALT ESETEYVIRC TKHTFTNHMV FQFDCTNTLN DQTLENVTVQ MEPTEAYEVL CYVPARSLPY NQPGTCYTLV ALPKEDPTAV ACTFSCMMKF

Product Details

	TVKDCDPTTG ETDDEGYEDE YVLEDLEVTV ADHIQKVMKL NFEAAWDEVG DEFEKEETFT LSTIKTLEEA VGNIVKFLGM HPCERSDKVP DNKNTHTLLL AGVFRGGHDI LVRSRLLLLD TVTMQVTARS LEELPVDIIL ASVG **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalian cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	COPG
Alternative Name:	COPG1 (COPG Products)
Background:	Coatomer subunit gamma-1 (Gamma-1-coat protein) (Gamma-1-COP),FUNCTION: 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

Target Details

	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. Required for limiting lipid storage in lipid droplets. Involved in lipid homeostasis by regulating the presence of perilipin family members PLIN2 and PLIN3 at the lipid droplet surface and promoting the association of adipocyte triglyceride lipase (PNPLA2) with the lipid droplet surface to mediate lipolysis (By similarity). {ECO:0000250, ECO:0000269|PubMed:20674546}.
Molecular Weight:	97.7 kDa
UniProt:	Q9Y678

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months

