

Datasheet for ABIN7553539
COPG2 Protein (AA 1-871) (His tag)



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Overview

Quantity:	1 mg
Target:	COPG2
Protein Characteristics:	AA 1-871
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This COPG2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant COPG2 Protein expressed in mammalian cells.
Sequence:	MIKKFDKKDE ESGSGSNPFQ HLEKSAVLQE ARIFNETPIN PRRCLHILTK ILYLLNQGEH FGTTEATEAF FAMTRLFQSN DQTLRRMCYL TIKEMATISE DVIIVTSSLT KDMTGKEDVY RGPAILALCR ITDGTMLQAI ERYMKQAIVD KVSSVSSAL VSSLHMMKIS YDVVKRWINE AQEAASSDNI MVQYHALGVL YHLRKNDRLA VSKMLNKFTK SGLKSQFAYC MLIRIASRLL KETEDGHESP LFDIESCLR NKHEMVIYEA ASAIHLPNC TARELAPAVS VLQLFCSSPK PALRYAAVRT LNKVAMKHPS AVTACNLBLE NLITDSNRSI ATLAITLLK TGESESVDR MKQISSFVSE ISDEFKVVVV QAISALCQKY PRKHSVMMTF LSNMLRDDGG FEYKRAIVDC IISIVEENPE SKEAGLAHLC EFIEDCEHTV LKILHLLG KEGPRTPVPS KYIRFIFNRV VLENEAVRAA AVSALAKFGA QNESLLPSIL VLLQRCMMDT DDEVRDRATF YLNLVLRQRM ALNATYIFNG LTVSVPMEK ALHQYTLPEP EKPFDMSIP LAMAPVFEQK AEITLVATKP EKLAPSRQDI FQEQLAAIPE FLNIGPLFKS SEPVQLTEAE TEYFVRCIKH MFTNHIVFQF DCTNTLNDQL LEKVTVMQEP SDSYEVLSI PAPSYPYNQP GICYTLVRLP DDDPTAVAGS

Product Details

FSCTMKFTVR DCDPNTGVDP EDGYDDEYVL EDLEVTVSDH IQKVLKPNFA AAWEEVGDTF
EKEETFALSS TKTLEEAVNN IITFLGMQPC ERSDKVPENK NSHSLYLAGI FRGGYDLLVR
SRLALADGVT MQVTVRSKER TPVDVILASV G **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: COPG2

Alternative Name: COPG2 ([COPG2 Products](#))

Background: Coatomer subunit gamma-2 (Gamma-2-coat protein) (Gamma-2-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

Target Details

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). {ECO:0000250}.

Molecular Weight: 97.6 kDa

UniProt: [Q9UBF2](#)

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