Datasheet for ABIN7564591

COPA Protein (AA 1-1224) (His tag)

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Overview

Quantity:	1 mg
Target:	COPA
Protein Characteristics:	AA 1-1224
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This COPA protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Copa Protein expressed in mammalian cells.
Sequence:	MLTKFETKSA RVKGLSFHPK RPWILTSLHN GVIQLWDYRM CTLIDKFDEH DGPVRGIDFH KQQPLFVSGG DDYKIKVWNY KLRRCLFTLL GHLDYIRTTF FHHEYPWILS ASDDQTIRVW NWQSRTCVCV LTGHNHYVMC AQFHPSEDLV VSASLDQTVR VWDISGLRKK NLSPGAVESD VRGITGVDLF GTTDAVVKHV LEGHDRGVNW AAFHPTMPLI VSGADDRQVK IWRMNESKAW EVDTCRGHYN NVSCAVFHPR QELILSNSED KSIRVWDMSK RTGVQTFRRD HDRFWVLAAH PNLNLFAAGH DGGMIVFKLE RERPAYAVHG NMLHYVKDRF LRQLDFNSSK DVAVMQLRSG SKFPVFNMSY NPAENAVLLC TRASNLENST YDLYTIPKDA DSQNPDAPEG KRSSGLTAVW VARNRFAVLD RMHSLLIKNL KNEITKKIQV PNCDEIFYAG TGNLLLRDAD SITLFDVQQK RTLASVKISK VKYVIWSADM SHVALLAKHA IVICNRKLDA LCNIHENIRV KSGAWDESGV FIYTTSNHIK YAVTTGDHGI IRTLDLPIYV TRVKGNNVYC LDRECRPRVL TIDPTEFKFK LALINRKYDE VLHMVRNAKL VGQSIIAYLQ KKGYPEVALH FVKDEKTRFS LALECGNIEI ALEAAKALDD KNCWEKLGEV ALLQGNHQIV EMCYQRTKNF DKLSFLYLIT GNLEKLRKMM

Product Details

	KIAEIRKDMS GHYQNALYLG DVSERVRILK NCGQKSLAYL SAATHGLDEE AESLKETFDP EKETIPDIDP NAKLLQPPAP IMPLDTNWPL LTVSKGFFEG SIASKGKGGA LAADIDIDTV GTEGWGEDAE LQLDEDGFVE APEGLGEDVL GKGQEEGGGW DVEEDLELPP ELDVPSGVSG SAEDGFFVPP TKGTSPTQIW CNNSQLPVDH ILAGSFETAM RLLHDQVGVI QFGPYKQLFL QTYARGRTTY QALPCLPSMY SYPNRNWKDA GLKNGVPAVG LKLNDLIQRL QLCYQLTTVG KFEEAVEKFR SILLSVPLLV VDNKQEIAEA QQLITICREY IVGLCMEIER KKLPKETLDQ QKRICEMAAY FTHSNLQPVH MILVLRTALN LFFKLKNFKT AATFARRLLE LGPKPEVAQQ TRKILSACEK NPTDACQLNY DMHNPFDICA ASYRPIYRGK PVEKCPLSGA CYSPEFKGQI CRVTTVTEIG KDVIGLRISP LQFR **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:	COPA
Alternative Name:	Copa (COPA Products)

Target Details

Background:	Coatomer subunit alpha (Alpha-coat protein) (Alpha-COP) [Cleaved into: Xenin (Xenopsin-related peptide), Proxenin],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 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}., FUNCTION: Xenin stimulates exocrine pancreatic secretion. It inhibits pentagastrin-stimulated secretion of acid, to induce exocrine pancreatic secretion and to affect small and large intestinal motility. In the gut, xenin interacts with the neurotensin receptor (By similarity). {ECO:0000250}.
Molecular Weight:	138.4 kDa
UniProt:	Q8CIE6
Pathways:	Hormone Activity

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