

Product datasheet

Recombinant Human COPE protein ab187476

1 Image

Description

Product name	Recombinant Human COPE protein	
Purity	> 90 % SDS-PAGE. ab187476 was purified using conventional chromatography techniques.	
Expression system	Escherichia coli	
Accession	O14579	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	MGSSHHHHHHSSGLVPRGSHMGSMAPPAGPASGGSG EVDELFDVKNAFY IGSYQQCINEAQRVKLSSPERDVERDVFLYRAYLAQRKFG VVLDEIKPSS APELQAVRMFADYLAHESRRDSVAELDREMSRSVDVTN TTFLLMAASY LHDQNPDAALRALHQGDSLECTAMTVQILLKLDRLDLARK ELKRMQDLDE DATLTQLATAWVSLATGGEKLQDAYYIFQEMADKCSPTLL LLNGQAACHM AQGRWEAAEGLLQEALDKDSGYPETLVNLMVLSQHLGKP PEVTNRYLSQL KDAHRSHPFKEYQAKENDFDRLVLQYAPSA	
Predicted molecular weight	37 kDa including tags	
Amino acids	1 to 308	
Tags	His tag N-Terminus	
Additional sequence information	NP_009194	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab187476** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Mass Spectrometry

	SDS-PAGE
Mass spectrometry	MALDI-TOF
Form	Liquid

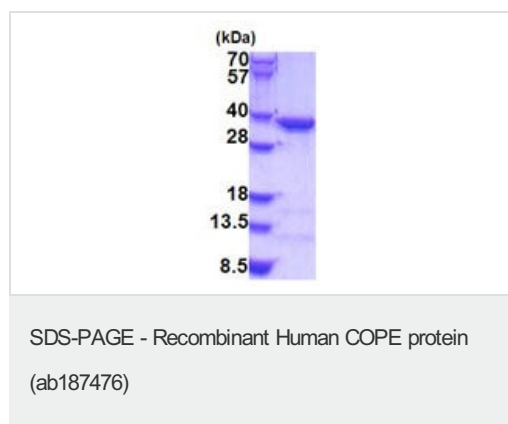
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
	pH: 7.40
	Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine), 0.02% DTT

General Info

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.
Sequence similarities	Belongs to the COPE family.
Post-translational modifications	Phosphorylated by PKA. Polyubiquitinated by RCHY1 in the presence of androgen, leading to proteasomal degradation.
Cellular localization	Cytoplasm. Golgi apparatus membrane. Cytoplasmic vesicle > COPI-coated vesicle membrane. The coatomer is cytoplasmic or polymerized on the cytoplasmic side of the Golgi, as well as on the vesicles/buds originating from it.

Images



15% SDS-PAGE analysis of 3 µg ab187476.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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