

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 | <u>O14579</u> |
| Protein length | Full length protein |
| Animal free | No |
| Nature | Recombinant |
| Species | Human |
| Sequence | MGSSHHHHHHSSGLVPRGSHMGSMAPPAGPASGGSG EVDELFDVKNAFY IGSYQQCINEAQRVKLSSPERDVERDVFLYRAYLAQRKFG VVLDEIKPSS APELQAVRMFADYLAHESRRDSVAELDREMSRSVDVTN TTFLLMAASIY LHDQNPDAALRALHQGDSLECTAMTVQILLKLDRLDLARK ELKRMQDLDE DATLTQLATAWVSLATGGEKLQDAYYIFQEMADKCSPTLL LLNGQAACHM AQGRWEAAEGLLQEALDKDSGYPETLVNLIVLSQHLGKP 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 |

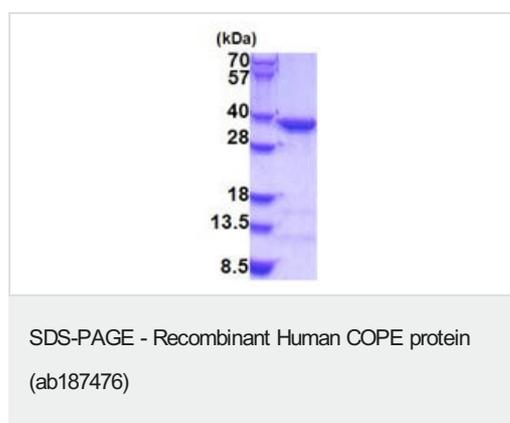
Preparation and Storage

| | |
|------------------------------|--|
| 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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- We investigate all quality concerns to ensure our products perform to the highest standards

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