

AR51692PU-S

Human Coatomer subunit epsilon (1-308, His-tag) - Purified

Alternate names:

COPE, Epsilon-COP, Epsilon-coat protein

Quantity:

20 µg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

COPE is an epsilon subunit of coatomer protein complex. Coatomer is a cytosolic protein complex that binds to dilysine motifs and reversibly associates with Golgi non-clathrin-coated vesicles. It is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins. Coatomer complex consists of at least the alpha, beta, beta', gamma, delta, epsilon and zeta subunits. Alternatively spliced transcript variants encoding different isoforms have been identified.

Uniprot ID:

[O14579](#)

NCBI:

[NP_009194](#)

GeneID:

[11316](#)

Species:

Human

Source:

E. coli

Format:

Purity: >90% by SDS - PAGE

Buffer System: Liquid, In Phosphate buffered saline (pH7.4) containing 20% glycerol, 1mM DTT.

Description:

Recombinant human COPE protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMAPPAPG PASGGSGEVD ELFDVKNFY IGSYQQCINE
AQRVKLSSPE RDVERDVFLY RAYLAQRKFG VVLDEIKPSS APELQAVRMF ADYLAHESRR
DSIVAELDRE MSRSVDVTNT TFLLMAASIY LHDQNPDAAL RALHQGDSLE CTAMTVQILL
KLDRLDLARK ELKRMQDLDE DATLTQLATA WVSLATGGEK LQDAYYIFQE MADKCSPTLL
LLNGQAACHM AQGRWEAAEG LLQEALDKDS GYPETLVNLI VLSQHLGKPP EVTNRYSQL
KDAHRSHPEI KEYQAKENDF DRLVLQYAPS A

Molecular weight: 36.9 kDa (331aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Shima D.T., et al. (1999) Curr. Biol. 9:821-824

Pictures:

