

32-3582: COPE Recombinant Protein

Alternative Name : Coatomer Protein Complex, Subunit Epsilon, Epsilon-Coat Protein, Epsilon-COP, Coatomer Epsilon Subunit, Coatomer Subunit Epsilon, Epsilon Coat Protein, Coatomer subunit epsilon.

Description

Source : Escherichia Coli. COPE Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 331 amino acids (1-308 a.a) and having a molecular mass of 36.9kDa. COPE is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Coatomer Protein Complex Subunit Epsilon, also known as COPE is an epsilon subunit of coatomer protein complex. Coatomer is a cytosolic protein complex which binds to dilysine motifs and reversibly links with Golgi non-clathrin-coated vesicles. COPE is necessary for budding from Golgi membranes, and is also essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins. Coatomer complex contain at least the alpha, beta, beta', gamma, delta, epsilon and zeta subunits. Alternatively spliced transcript variants encoding dissimilar isoforms have been identified for COPE.

Product Info

Amount : 10 µg
Purification : Greater than 90.0% as determined by SDS-PAGE.
Content : COPE protein solution (0.25 mg/ml) containing Phosphate buffered saline (pH7.4), 20% glycerol and 1mM DTT.
Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSMAPPAPG PASGGSGEVD ELFDVKNAFY IGSYQQCINE
 AQRVKLSSPERDVERDVFLY RAYLAQRKFG VVLDEIKPSS APELQAVRMF ADYLAHESRR DSIVAELDRE
 MSRSVDVTNTTFLMAASIY LHDQNPDAAL RALHQGDSLE CTAMTVQILLKLDRLDLARK ELKRMQDLDE
 DATLTQLATA WVSLATGGEK LQDAYYIFQEMADKCSPTLL LLNGQAACHM AQGRWEAAEG LLQEALDKDS
 GYPETLVNLI VLSQHLGKPP EVTNRYSQLKDAHRSHPI KEYQAKENDF DRLVLQYAPS A.

