



# Recombinant Human Coatomer subunit epsilon (COPE)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-YP005785HU  |
| <b>Storage</b>           | Store at -20°C, for extended storage, conserve at -20°C or -80°C.   |
| <b>Uniprot No.</b>       | O14579  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Homo sapiens (Human)  |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | APPAPGPAS GGSGEVDLDF DVKNAFYIGS YQQCINEAQR VKLSSPERDV<br>ERDVFLYRAY LAQRKFGVVL DEIKPSSAPE LQAVRMFADY LAHESRRDSI<br>VAELDREMSR SVDVTNTTFL LMAASIYLHD QNPDAALRAL HQGDSLECTA<br>MTVQILLKLD RLDLARKELK RMQDLDEDAT LTQLATAWVS LATGGEKLQD<br>AYYIFQEMAD KCSPTLLLLN GQAACHMAQG RWEAAEGLLQ EALDKDSGYP<br>ETLVNLIVLS QHLGKPPEVT NRYLSQLKDA HRSHPFIKEY QAKENDFDRL<br>VLQYAPSA   |
| <b>Source</b>            | Yeast   |
| <b>Target Names</b>      | COPE  |
| <b>Protein Names</b>     | Recommended name: Coatomer subunit epsilon Alternative name(s): Epsilon-coat protein Short name= Epsilon-COP  |
| <b>Expression Region</b> | 2-308   |
| <b>Notes</b>             | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>          | Tag type will be determined during the manufacturing process.   |
| <b>Protein Length</b>    | Full Length of Mature Protein   |
| <b>Target Details</b>    | The product of this gene 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. |
| <b>Reconstitution</b>    | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.   |
| <b>Shelf Life</b>        | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life  |



of lyophilized form is 12 months at -20°C/-80°C.