Coatomer subunit epsilon-1 (COPE1), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP12502*

Size *0.02 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (E-Coli)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 0.1 mg (Baculovirus)/ 1 mg (E-Coli)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*

Species
Oryza sativa subsp. japonica (Rice)

Full Product Name
Recombinant Oryza sativa subsp. japonica Coatomer subunit epsilon-1 (COPE1)

Product Gene Name
COPE1 recombinant protein

Product Synonym Gene Name
COPE1

Purity
Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Sequence
MASPDLLFNL RNLFYLGAYQ AAINNSDVPG LDADAAAERD AIVFRSYVAL GSYQLVISEI DSSAATSLQA VKLLALYLSG DKESAIVSLK EWLSDSAVGS NPVLRLIAGI IFMHEQDYTE ALKHTHSGGT LDLHALNVQI FIKMHRSDYA EKQLKIMQQI DEDHTLTQLA NAWLDIAVGG SKIREAYLIF QDFAEKYPMT GMVLNGKAVC CMHMGSFDEA ETLLLEALNK DAKDPETLAN LIVCNLHLGK PSSRYLSQLK LSHPDHVLVK RAVSAEDNFE RALQAVA

Sequence Positions
1-287, Full length protein

Format
Lyophilized or liquid (Format to be determined during the manufacturing process)

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
31,581 Da

Storage
Store at -20℃. For long-term storage, store at -20℃ or -80℃. Store working aliquots at 4℃ for up to one week. Repeated freezing and thawing is not recommended.

NCBI Accession
XP_015635608.1

NCBI GI
1002262520

NCBI GenBank Nucleotide
XM_015780122.1

NCBI GeneID
4336967

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI Official Full Name
coatomer subunit epsilon-1

NCBI Official Symbol
LOC4336967

NCBI Official Synonym Symbols
cope1; OsJ_015440

NCBI Protein Information
coatomer subunit epsilon-1

UniProt Gene Name
COPE1

UniProt Synonym Gene Names
Epsilon-COP 1

UniProt Protein Name
Coatomer subunit epsilon-1

UniProt Synonym Protein Names
Epsilon-coat protein 1; Epsilon-COP 1; Epsilon1-COP

UniProt Primary Accession
Q9MAX6

UniProt Secondary Accession
Q7XLD6; B7E599

UniProt Related Accession
Q9MAX6

UniProt Comments
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. The coatomer complex is required for budding from Golgi membranes, and is essential for the retrograde Golgi-to-ER transport of dilysine-tagged proteins .

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