

Coatomer subunit alpha-1 (Os03g0711400, LOC_Os03g50340), Recombinant Protein

Cat *RP14355*

Species

Oryza sativa subsp. japonica (Rice)

Full Product Name

Recombinant Oryza sativa subsp. japonica Coatomer subunit alpha-1 (Os03g0711400, LOC_Os03g50340), partial

Product Gene Name

Os03g0711400 recombinant protein

Product Synonym Gene Name

Os03g0711400; LOC_Os03g50340

Purity

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

Format

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

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

136,381 Da

Storage

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

Protein Family

Coatomer

NCBI Accession

XP_015631030.1

NCBI GI

1002253580

NCBI GenBank Nucleotide

XM_015775544.1

NCBI GeneID

4333885

NCBI Official Full Name

coatomer subunit alpha-1

NCBI Official Symbol

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Coatomer subunit alpha-1 (Os03g0711400, LOC_Os03g50340), Recombinant Protein

Cat *RP14355*

LOC4333885

NCBI Official Synonym Symbols

OsJ_011822

NCBI Protein Information

coatomer subunit alpha-1

UniProt Gene Name

Os03g0711400

UniProt Synonym Gene Names

Alpha-COP 1

UniProt Protein Name

Coatomer subunit alpha-1

UniProt Synonym Protein Names

Alpha-coat protein 1; Alpha-COP 1

UniProt Primary Accession

Q9AUR8

UniProt Secondary Accession

Q10E15; B7EQ85

UniProt Related Accession

Q9AUR8

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. 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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