

Ent-copalyl diphosphate synthase 1, chloroplastic (CPS1), Recombinant Protein

Cat *RP11231*

Species

Oryza sativa subsp. *japonica* (Rice)

Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Ent-copalyl diphosphate synthase 1, chloroplastic (CPS1), partial

Product Gene Name

CPS1 recombinant protein

Product Synonym Gene Name

CPS1

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

98,055 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

Ent-copalyl diphosphate synthase

NCBI Accession

XP_015624005.1

NCBI GI

1002239538

NCBI GenBank Nucleotide

XM_015768519.1

NCBI GeneID

4329013

NCBI Official Full Name

ent-copalyl diphosphate synthase 1, chloroplastic

NCBI Official Symbol

LOC4329013

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Ent-copalyl diphosphate synthase 1, chloroplastic (CPS1), Recombinant Protein

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NCBI Official Synonym Symbols

CPS1; OsCPS; OsCPS1; OsCPS1ent

NCBI Protein Information

ent-copalyl diphosphate synthase 1, chloroplastic

UniProt Gene Name

CPS1

UniProt Synonym Gene Names

Ent-CDP synthase 1; OsCPS1; OsCPS1ent

UniProt Protein Name

Ent-copalyl diphosphate synthase 1, chloroplastic

UniProt Synonym Protein Names

Ent-kaurene synthase A; OsCPS

UniProt Primary Accession

Q6ET36

UniProt Secondary Accession

Q68BJ4; A0A0P0VHK1

UniProt Related Accession

Q6ET36

UniProt Comments

Catalyzes the conversion of geranylgeranyl diphosphate to the gibberellin precursor ent-copalyl diphosphate.

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