

Terpenoid synthase 6 (TPS06), Recombinant Protein

Cat *RP05085*

Species

Arabidopsis thaliana (Mouse-ear cress)

Full Product Name

Recombinant *Arabidopsis thaliana* Terpenoid synthase 6 (TPS06) , partial

Product Gene Name

TPS06 recombinant protein

Product Synonym Gene Name

TPS06

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

71,112 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

Terpenoid synthase

NCBI Accession

NP_177165.1

NCBI GI

15223034

NCBI GenBank Nucleotide

NM_105676.2

NCBI GeneID

843344

NCBI Official Full Name

Terpenoid cyclases/Protein prenyltransferases superfamily protein

NCBI Official Symbol

AT1G70080

NCBI Official Synonym Symbols

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Terpenoid synthase 6 (TPS06), Recombinant Protein

Cat *RP05085*

F20P5.19; F20P5_19

NCBI Protein Information

Terpenoid cyclases/Protein prenyltransferases superfamily protein

UniProt Gene Name

TPS06

UniProt Synonym Gene Names

AtTPS06

UniProt Protein Name

Dolabella-3,7-dien-18-ol synthase TPS06

UniProt Synonym Protein Names

Terpenoid synthase 6

UniProt Primary Accession

Q84UU9

UniProt Secondary Accession

O04537

UniProt Related Accession

Q84UU9

UniProt Comments

Involved in terpene biosynthesis in roots. Possesses sesquiterpene (C15) synthase activity and diterpene (C20) synthase activity in vitro. Possesses dolabella-3,7-dien-18-ol synthase activity in vitro. Catalyzes the formation of dolabella-3,7-dien-18-ol from geranylgeranyl diphosphate.

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