

# 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 GenID

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.

---

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY