

# Farnesyl pyrophosphate synthase (FPS1), Recombinant Protein

Cat RP16417

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

Species mg (Baculovirus)/1 mg (E-Coli)/1 mg (Yeast)/0.1 mg (Mammalian-Cell)/1 mg (Baculovirus)/0.5 mg (Mammalian-Cell)  
Helianthus annuus (Common sunflower)

## Full Product Name

Recombinant Helianthus annuus Farnesyl pyrophosphate synthase (FPS1)

## Product Gene Name

FPS1 recombinant protein

## Purity

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

## Sequence

MASDLKSKFL HVYQTLKSEL LNDPAFEFHH DSRQWIDKML DYNVPGGKLN RGLSVVDSYQ LLKGAELTDD  
EIFLASALGW CIEWLQAYFL VLDDIMDGSHT TRRGQPCWFR LPKVGMIAN DGLILRNHVP RILKKHFRGK  
PYYVDLVDLF NEVEFQTASG QMIDLITTLV GEKDLKYSLSI HRRIYQYK TAYYSFYLPV ACALLMFGED  
LDNHVEVKNV LVEMGTYFQV QDDYLDCFGA PEVIGKIGTD IEDFSSWLTV KALELANEEQ KKVLEHNYGK  
KDPSSVAVVK ELYNTLNLQG VFEDYESTSY KKLITSIEGH PSKAVQAVLK SFLGKIYKRQ K

## Sequence Positions

1-341, 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

39,061 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

Farnesyl pyrophosphate synthase

## NCBI Accession #

O64905.1

## NCBI GI #

6016044

## NCBI Official Full Name

Farnesyl pyrophosphate synthase

## UniProt Gene Name

FPS1

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

# Farnesyl pyrophosphate synthase (FPS1), Recombinant Protein

Cat RP16417

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)  
UniProt Synonym Gene Names  
FRP; FPP synthase; FPS

## UniProt Protein Name

Farnesyl pyrophosphate synthase

## UniProt Synonym Protein Names

(2E,6E)-farnesyl diphosphate synthase; Dimethylallyltranstransferase (EC:2.5.1.1); Farnesyl diphosphate synthase; Geranyltranstransferase

## UniProt Primary Accession #

O64905

## UniProt Comments

Catalyzes the sequential condensation of isopentenyl pyrophosphate with the allylic pyrophosphates, dimethylallyl pyrophosphate, and then with the resultant geranylpyrophosphate to the ultimate product farnesyl pyrophosphate.

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**