

# Probable solanesyl-diphosphate synthase 3, chloroplastic (SPS3), Recombinant Protein

Cat *RP11320*

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*)  
Species  
*Oryza sativa* subsp. *japonica* (*Rice*)

## Full Product Name

Recombinant *Oryza sativa* subsp. *japonica* Probable solanesyl-diphosphate synthase 3, chloroplastic (SPS3)

## Product Gene Name

SPS3 recombinant protein

## Product Synonym Gene Name

SPS3

## Purity

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

## Sequence

AATIPDAAAT GVGVAERISV SSLLEVVADD LLKLNNNLKS LVGAENPVLV SAAEQIFGAG GKRLRPALVF  
LVSRATAELA GLELTTEHQ RLAEIEMIH TASLIHDDVI DDSGMRRGKE TIHQLYGTRV AVLAGDFMFA  
QSSWFLANLE NIEVIKLISQ VIKDFASGEI KQASTLFD CD ITLDDYLLKS YYKTASLIAA STRSAAIFSG  
VSTACEQMY EYGRNLGLSF QVVDDILDFT QS A EQLGKPA GSDLAKGNLT APVIFALQDE PQLREIIDSE  
FSETNSLATA IELVHRSGGI KRAHELAREK GEIAIQSLQC LPRSEFRSTL ENMVKYNLER ID

## Sequence Positions

31-372, 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

40,101 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

Probable sucrose-phosphate synthase

## NCBI Accession #

Q0INZ4.1

## NCBI GI #

122240291

## NCBI Official Full Name

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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Cat *RP11320*

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 Gene Name

SPS3

## UniProt Synonym Gene Names

OsSPS3

## UniProt Protein Name

Probable solanesyl-diphosphate synthase 3, chloroplastic

## UniProt Synonym Protein Names

Probable all-trans-nonaprenyl-diphosphate synthase 3 (geranyl-diphosphate specific)

## UniProt Primary Accession #

Q0INZ4

## UniProt Secondary Accession #

Q2QU65; A0A0P0Y8W6

## UniProt Comments

Involved in providing solanesyl diphosphate for plastoquinone-9 formation.

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