

# Photosystem I reaction center subunit IV (PSAE), Recombinant Protein

Cat RP17953

Size 0.05 mg (E-Coli)/ 0.05 mg (Yeast)/ 0.2 mg (E-Coli)/ 0.05 mg (Baculovirus)/ 0.5 mg (E-Coli)/ 0.2 mg (Yeast)/ 0.1 mg

(Baculovirus)/ 0.05 mg (Mammalian-Cell)/ 0.5 mg (Yeast)/ 1 mg (E-Coli)/ 0.5 mg (Baculovirus)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Yeast)/ 1 mg (Baculovirus)

## Species

Recombinant Pisum sativum Photosystem I reaction center subunit IV (PSAE)

## Full Product Name

Recombinant Photosystem I reaction center subunit IV (PSAE); Photosystem I reaction center subunit IV; PSI-E; Photosystem I 13 kDa protein

## Product Synonym Names

PSAE recombinant protein

## Product Gene Name

PSAE

## Purity

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

## Sequence

ASEDTAEAAA PSA

## Sequence Positions

1-13aa; 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

1,190 Da

## Storage

Store at -20°C. For extended storage, store at -20 or -80°C.

## Protein Family

Protein

## NCBI Accession #

P20118.1

## NCBI GI #

131177

## NCBI Official Full Name

Photosystem I reaction center subunit IV

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

# Photosystem I reaction center subunit IV (PSAE), Recombinant Protein

Cat *RP17953*

Size *0.05 mg (E-Coli)/ 0.05 mg (Yeast)/ 0.2 mg (E-Coli)/ 0.05 mg (Baculovirus)/ 0.5 mg (E-Coli)/ 0.2 mg (Yeast)/ 0.1 mg*

*(Baculovirus)/ 0.05 mg (Mammalian-Cell)/ 0.5 mg (Yeast)/ 1 mg*

## UniProt Gene Name

*(E-Coli)/ 0.5 mg (Baculovirus)/ 0.1 mg (Mammalian-Cell)/ 1 mg*

PSAE *(Yeast)/ 1 mg (B*

## UniProt Synonym Gene Names

PSI-E

## UniProt Protein Name

Photosystem I reaction center subunit IV

## UniProt Synonym Protein Names

Photosystem I 13 kDa protein

## UniProt Entry Name

PSAE\_PEA

## UniProt Primary Accession #

P20118

## UniProt Comments

Function: Stabilizes the interaction between PsaC and the PSI core, assists the docking of the ferredoxin to PSI and interacts with ferredoxin-NADP oxidoreductase

By similarity.

Subcellular location: Plastid › chloroplast thylakoid membrane; Peripheral membrane protein.

Sequence similarities: Belongs to the PsaE family.

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